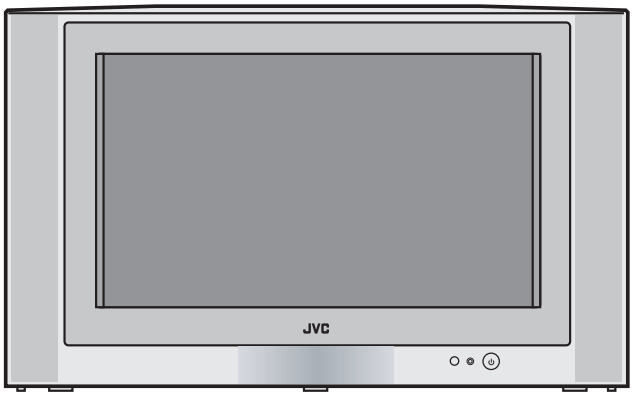
JVC

SERVICE MANUAL

COLOUR TELEVISION

HV-32D25EUW
HV-32D25EJW

BASIC CHASSIS
MK



D.I.S.T. 1250i
InteriArt
Natural Vision
T-V LINK

CONTENTS

SAFETY PRECAUTIONS 4
SPECIFIC SERVICE INSTRUCTIONS 6
SERVICE ADJUSTMENTS 17

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No.52068
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SPECIFICATION

Item		Content	
		HV-32D25EUW	HV-32D25EJW
Dimensions (W x H x D)		94.6cm x 56.2cm x 55.1cm	
Mass		58.0kg	
TV RF System		CCIR B/G, I, D/K, L/L'	
Colour System		PAL / SECAM / NTSC *The EXT terminals also support the NTSC 3.58MHz/4.43MHz system.	
Stereo System		A2 (B/G, D/K) / NICAM (B/G, I, D/K, L)	
Teletext System		FLOF(Fastext), TOP, WST(World Standard system)	
Receiving Frequency	VHF	47MHz ~ 470MHz	47MHz ~ 470MHz (IRELAND only) 470MHz ~ 862MHz
	UHF	470MHz ~ 862MHz	-
	CATV	116MHz ~ 172MHz / 220MHz ~ 469MHz	-
Intermediate Frequency	VIF SIF	38.9MHz(B/G, D/K, I) / 33.95MHz(L') 33.4MHz(5.5MHz:B/G) / 32.9MHz(6.0MHz:I) / 32.4MHz(6.5MHz:L,D/K) / 40.45MHz(6.5MHz:L')	
Colour Sub Carrier Frequency	PAL SECAM NTSC	4.43MHz 4.40625MHz / 4.25MHz 3.58MHz / 4.43MHz	
Power Input		AC 220V~AC240V, 50Hz	
Power Consumption		Max 300W / Avg. 160W	
Aerial Input		75 ohm unbalanced, coaxial	
Picture Tube		Visible size 76 cm(measured diagonally) Aspect ratio 16:9	
High Voltage		31.0kV ± 0.2kV (At beam current : 0uA)	
Speaker	MAIN CENTER WOOFER	10W + 10W, 13 cm x 6.5 cm oval x2 7.5W, 16 cm x 4 cm oval x 1 18W, 13 cm round x 1	
EXT-1 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, Audio L/R inputs and RGB inputs are available. • TV broadcast outputs (Video and Audio L/R) are available.	
EXT-2 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, S-Video (Y/C) input, Audio L/R inputs and RGB inputs are available. • Video and Audio L/R outputs are available. • T-V LINK functions are available.	
EXT-3 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, S-Video (Y/C) input and Audio L/R inputs are available.	
EXT-4 (Input)	Component video	RCA pin jack x 3 Y : 1V(p-p), 75 ohm Pb / B-Y: 0.7V(p-p), 75 ohm Pr / R-Y : 0.7V(p-p), 75 ohm Progressive-scanning signals(626p or 525p) are available	
	Audio (L/R)	500mv(rms) (-4dBs), High Impedance RCA pin jack x 2	
EXT-5 (Input)	Video	1V(p-p), 75 ohm RCA pin jack x 1	
	Audio (L/R)	500mv(rms) (-4dBs), High Impedance RCA pin jack x 2	
	S-Video	Mini DIN 4-pin Y : 1V(p-p) Positive (Negative sync provided), 75 ohm C : 0.286V(p-p) (burst signal), 75 ohm	
DIGITAL AUDIO INPUT		OPTICAL x 1 COAXIAL x 1 (Dolby Digital is available.)	
AUDIO OUT (Variable)		0~1V(rms), Low Impedance RCA pin jack x 3	
SURROUND REAR OUT		7.5W + 7.5W, 8 ohm (push terminal)	
Headphone jack		Stereo mini jack (Ø3.5mm)	
Remote Control Unit		RM-C61 (AAA/R03 Dry cell battery x 2) : HV-32D25EUW RM-C62 (AAA/R03 Dry cell battery x 2) : HV-32D25EJW	

Design & specifications are subject to change without notice.

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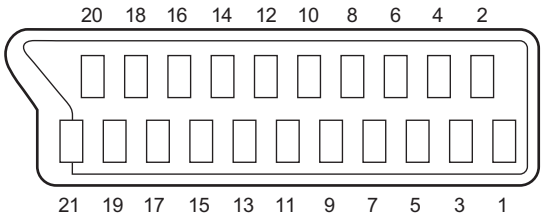
21-pin Euro connector (SCART) : EXT-1/EXT-2/EXT-3

PinNo.	Signal Designation	Matching Value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	NC
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used	Used	Used
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	Not used
4	AUDIO GND		Used	Used	Used
5	GND (B)		Used	Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used	Used	Used
7	B input	$700mV_{(B-W)}$, 75 ohm	Used	Used	Not used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V, High : 8V-12V, High impedance	Used	Used	Used
9	GND (G)		Used	Used	Used
10	SCL		Not used	Used (SCL2)	Used (SCL3)
11	G input	$700mV_{(B-W)}$, 75 ohm	Used	Used	Not used
12	SDA		Not used	Used(SDA2)	Used(SDA3)
13	GND (R)		Used	Used	Used
14	GND (YS)		Used	Not used	Not used
15	R / C input	R : $700mV_{(B-W)}$, 75 ohm C : $300mV_{(P-P)}$, 75 ohm	Used (R)	Used (C2/R)	Used (C3)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75 ohm	Used	Used	Not used
17	GND (VIDEO output)		Used	Used	Used
18	GND (VIDEO input)		Used	Used	Used
19	VIDEO output	$1V_{(P-P)}$ (Negative going sync), 75 ohm	Used (TV OUT)	Used (LINE OUT)	Not used
20	VIDEO / Y input	$1V_{(P-P)}$ (Negative going sync), 75 ohm	Used	Used	Used
21	COMMON GND		Used	Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



SECTION 1
SAFETY PRECAUTIONS

1.1 HV-32D25EUW

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.).
If above note will not be kept, a fuse or any parts will be broken.

(5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).

(6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

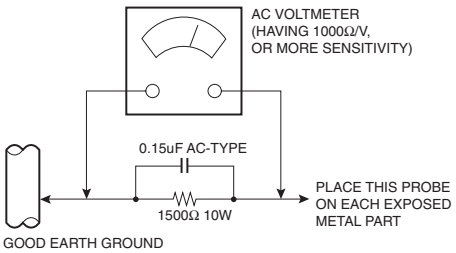
(8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced.
Always use the manufacturer's replacement components.

(9) **Isolation Check**
(Safety for Electrical Shock Hazard)
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/ audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500 ohm 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 HV-32D25EJW [UK VERSION]

(1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
(2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
(3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
(4) The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

WARNING

(1) The equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

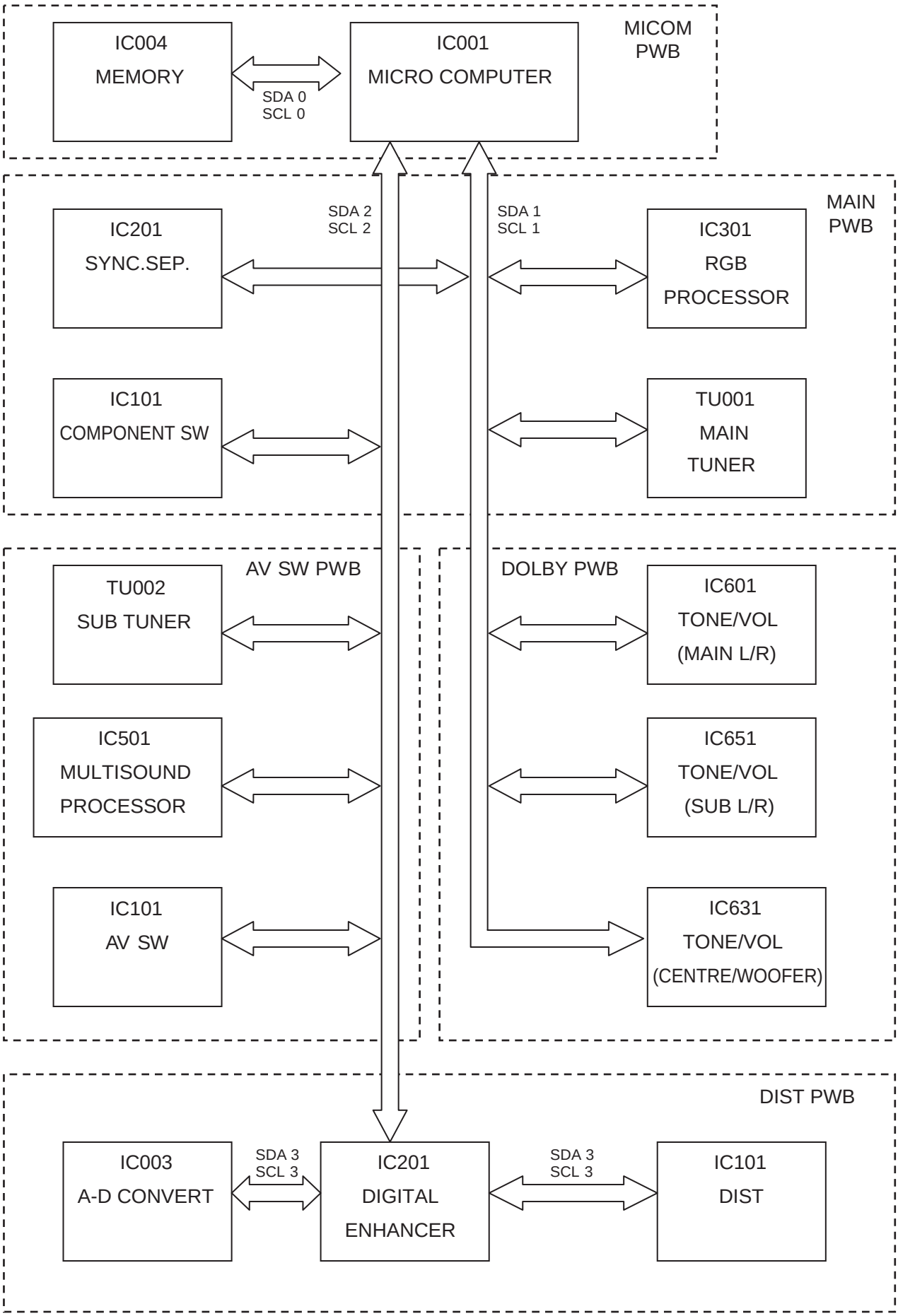
2.1 MAIN DIFFERENCE LIST

⚠	ITEM	HV-32D25EUW	HV-32D25EJW
⚠	POWER CORD	QMPK160-185-JC	QMPN130-185-JC
	REMOTE CONTROL UNIT	RM-C61-1C	RM-C62-1C
⚠	INST BOOK	LCT1272-001A-U LCT1273-001A-U LCT1274-001A-U	LCT1271-001A-U
⚠	RATING LABEL	LC11548-003A-U	LC11364-018A-U
	EURO LABEL	AEM1064-034-E	AEM1064-035-E

2.1.1 FEATURES

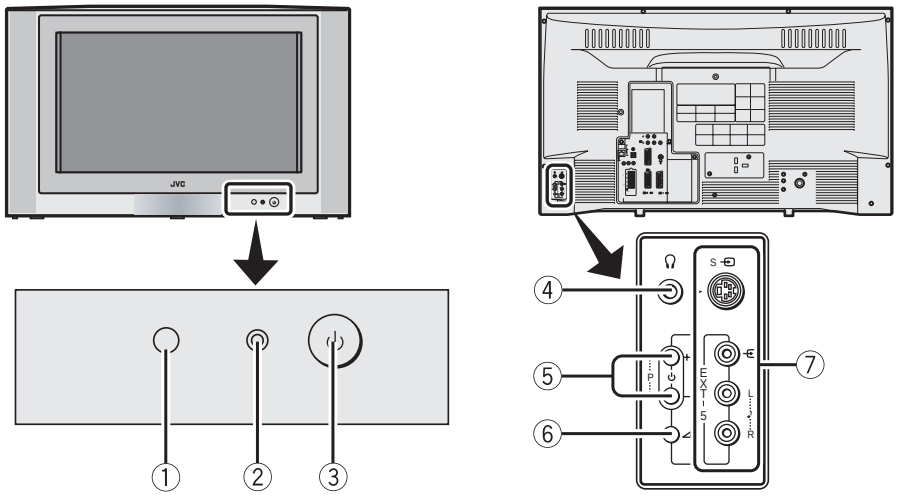
- DIST (Digital Image Scaling Technology) employs an interpolation method that doubles the scanning lines to realize 1250-line flicker-free picture making it especially suitable for reproducing high-resolution pictures even on large-screen displays.
- New chassis design enables use of an interactive on-screen control.
- Pure flat CRT produces fine textured picture in every detail.
- With AUDIO/VIDEO/COMPONENT input terminals.
- I^2C bus control utilizes single chip ICs.
- By means of AUTO PROGRAM, the TV stations can be selected automatically and the TV channels can also be rearranged automatically.

2.2 SYSTEM BLOCK



2.3 FUNCTIONS

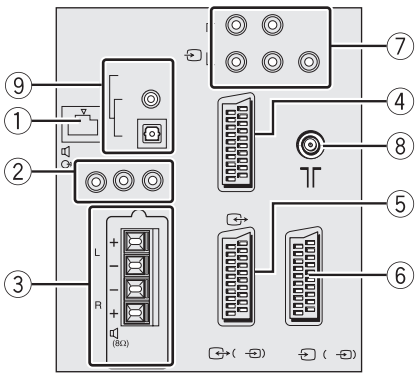
2.3.1 FRONT CONTROL & REAR (SIDE) TERMINAL



Refer to the pages in brackets for details.

① Remote control sensor
② Power lamp (GREEN : Operation, RED : Stand-by)
③ Main power button
④ Headphone jack (mini jack)
⑤ Channel up/down & Volume +/- buttons
⑥ Volume button
⑦ EXT-5 terminal

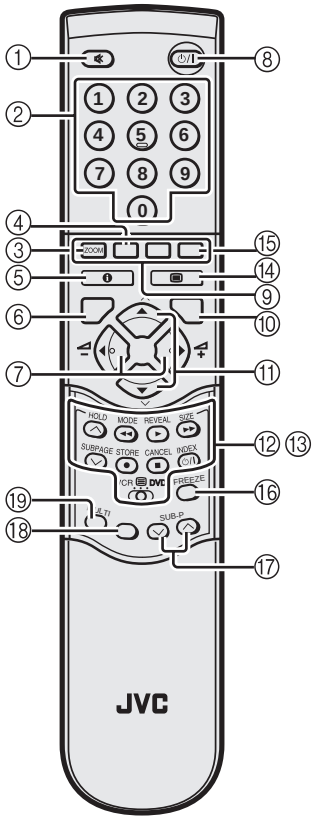
2.3.2 REAR TERMINAL



① Woofer terminal
② AUDIO OUT terminal
③ SURROUND REAR terminal
④ EXT-1 terminal
⑤ EXT-2 terminal
⑥ EXT-3 terminal
⑦ EXT-4 terminal
⑧ Aerial socket
⑨ DIGITAL AUDIO IN terminal

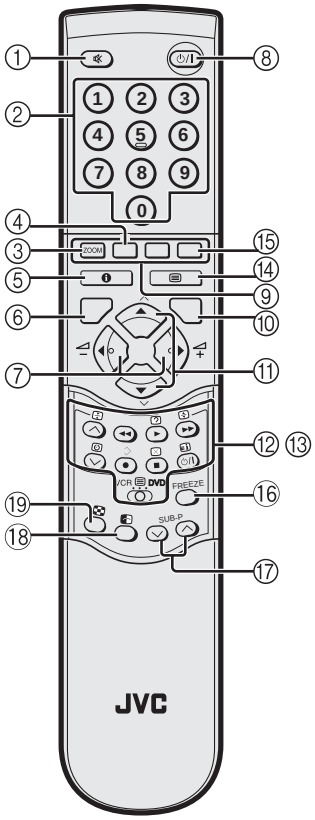
2.3.3 REMOTE CONTROL UNIT

RM-C62 : HV-32D25EJW



① Muting button
② Number buttons
③ **ZOOM** button
④ **3D** sound button
⑤ Information button
⑥ **TV** button
⑦ ◀/▶ buttons
⑧ Standby button
⑨ Colour buttons
⑩ **OK** button
⑪ ▲/▼ buttons
⑫ VCR/DVD/Teletext control button
⑬ VCR ☰ DVD switch
⑭ ☰ (Text) button
⑮ **PIP** button
⑯ **FREEZE** button
⑰ **SUB-P** ∨/∧ button
⑱ **SWAP** button
⑲ **MULTI** button

RM-C61 : HV-32D25EUW



① Muting button
② Number buttons
③ **ZOOM** button
④ **3D** sound button
⑤ Information button
⑥ **TV** button
⑦ ◀/▶ buttons
⑧ Standby button
⑨ Colour buttons
⑩ **OK** button
⑪ ▲/▼ buttons
⑫ VCR/DVD/Teletext control button
⑬ VCR ☰ DVD switch
⑭ ☰ (Text) button
⑮ **PIP** button
⑯ **FREEZE** button
⑰ **SUB-P** ∨/∧ button
⑱ button
⑲ button

2.4 DISASSEMBLY PROCEDURE

2.4.1 REMOVING THE SUB WOOFER UNIT & THE REAR COVER

(1) Unplug the power cord.
(2) Remove the SUB WOOFER CORD from the TERMINAL AV TERMINAL BOARD.
(3) Pull up the SUB WOOFER UNIT on the top of the REAR COVER upward.
(4) Remove the 13 screws [A] as shown in the Fig. 1
(5) Withdraw the REAR COVER toward you.

2.4.2 REMOVING THE SIDE CONTROL JACK ASSEMBLY

*Remove the REAR COVER.
(1) Remove the 1 screw [B] as shown in the Fig.1.
(2) While slightly raise the SIDE CONTROL JACK ASSEMBLY, remove the 2 claws under the SIDE CONTROL JACK ASSEMBLY.
(3) Disconnect the connector F and CN8016 as shown in Fig. 2.

2.4.3 REMOVING THE SIDE CONTROL PWB

* Remove the REAR COVER.
* Remove the SIDE CONTROL ASSEMBLY.
(1) Remove the 3 claws [C] from back side of the SIDE CONTROL JACK ASSEMBLY as shown in Fig. 2.
(2) Pull out the SIDE CONTROL PWB.

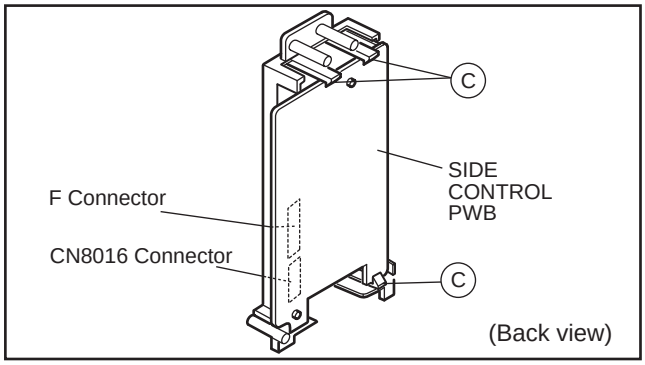


Fig.2

2.4.4 REMOVING THE MAIN CHASSIS

* Remove the REAR COVER.
(1) Slightly raise the both sides of the MAIN CHASSIS by hand and remove the two claws under the both sides of the MAIN CHASSIS from the front cabinet
(2) Withdraw the MAIN CHASSIS backward.
(If necessary, take off the wire clamp, connectors etc.)

2.4.5 REMOVING THE POWER & DEF. PWB

* Remove the MAIN CHASSIS.
(1) Remove the 3 screws [D] as shown in Fig. 1.
(2) Remove the POWER & DEF. PWB upper.
(If necessary, take off the wire clamp, connectors etc.)

2.4.6 REMOVING THE CENTER SPEAKER

* Remove the REAR COVER
* Remove the MAIN CHASSIS.
(1) Remove the 2 screws [E] as shown in Fig. 1.
(2) Remove the CENTER SPEAKER. If necessary, detach the cables.

2.4.7 REMOVING THE SIDE SPEAKER

*Remove the REAR COVER
(1) Remove the 2 screws [F], and remove the speaker adapter as shown in Fig. 1

NOTE:

When removing the 2 screws marked [F] of the speaker adapter remove the lower side screw first, and then remove the upper one

(2) Remove the 4 screws [G] attaching the SIDE SPEAKER.
(3) Follow the same steps when removing the other hand speaker.

2.4.8 REMOVING THE AV TERMINAL BOARD

* Remove the REAR COVER.
(1) Remove the 8 screws [H] as shown in the Fig. 1.
(2) Remove the 3 claws [I] under the CHASSIS as shown in Fig. 3
(3) Remove the AV TERMINAL BOARD slightly in the direction of arrow [J] as shown in Fig. 3.
(4) After removing the 1 clow [K] on the connector for SUB WOOFERS pull out the connector for SUB WOOFER. (Fig. 4)

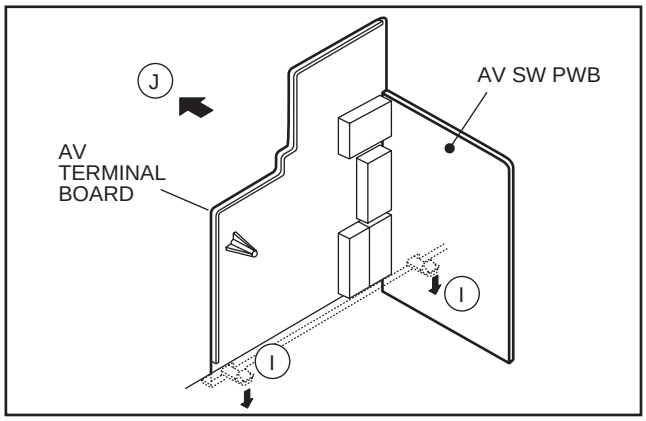


Fig.3

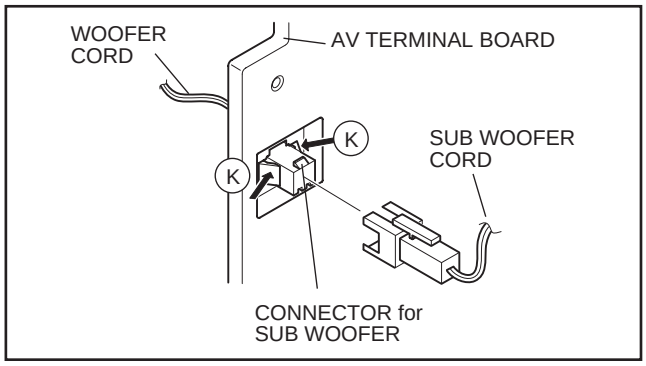


Fig.4

2.4.9 CHECKING THE PW BOARD

(1) Pull out the MAIN CHASSIS. (Refer to REMOVING THE MAIN CHASSIS)
(2) Erect the MAIN CHASSIS vertically so that you can easily check the back side of the PW board.

CAUTION:

- When erecting the MAIN CHASSIS, be careful so that there will be no contacting with other PW board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS.Y) is connected to the CRT SOCKET PW board.

2.4.10 WIRE CLAMPING AND CABLE TYING

(1) Be sure to clamp the wire.
(2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

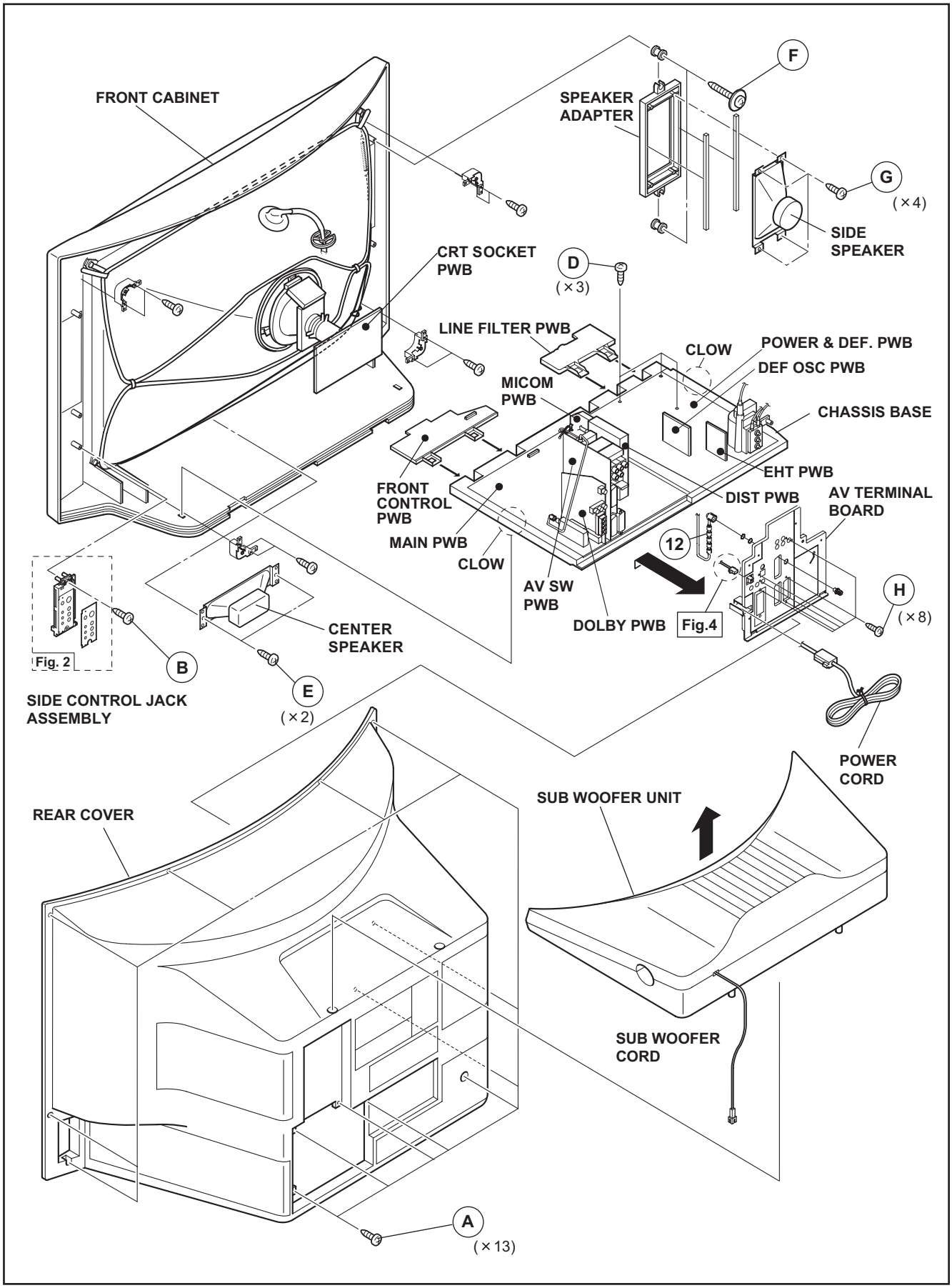

FRONT CABINET
SPEAKER ADAPTER
F
G
(×4)
SIDE SPEAKER
CRT SOCKET PWB
D
(×3)
LINE FILTER PWB
CLOW
POWER & DEF. PWB
DEF OSC PWB
MICOM PWB
CHASSIS BASE
EHT PWB
FRONT CONTROL PWB
DIST PWB
AV TERMINAL BOARD
MAIN PWB
CLOW
12
AV SW PWB
DOLBY PWB
Fig.4
H
(×8)
Fig. 2
B
CENTER SPEAKER
E
(×2)
SIDE CONTROL JACK ASSEMBLY
POWER CORD
REAR COVER
SUB WOOFER UNIT
SUB WOOFER CORD
A
(×13)

Fig.1

2.4.11 REMOVING THE CRT

Note:

- Replacement of the CRT should be performed by 2 or more persons.
- After removing the REAR COVER, CHASSIS etc.,

(1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 5).

(2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 6.

(3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 6.

Note:

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

(4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front
surface of the cabinet) shown in Fig. 7.

Note:

- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

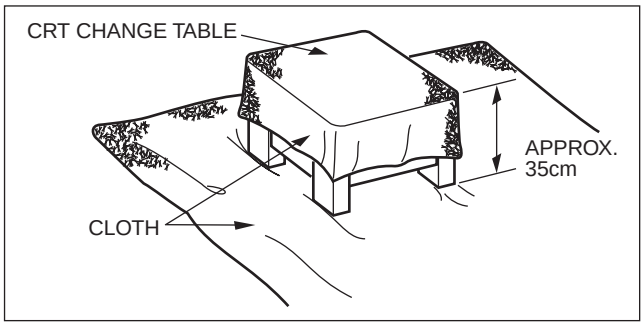


Fig.5

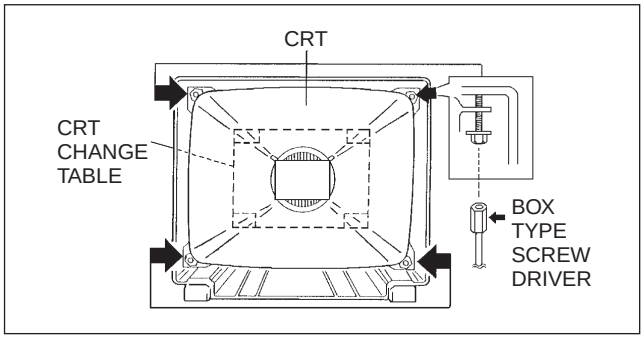


Fig.6

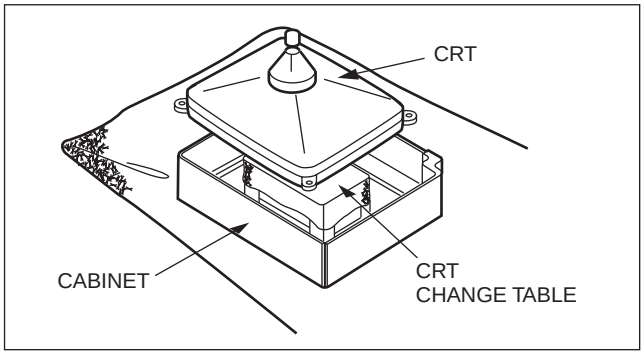
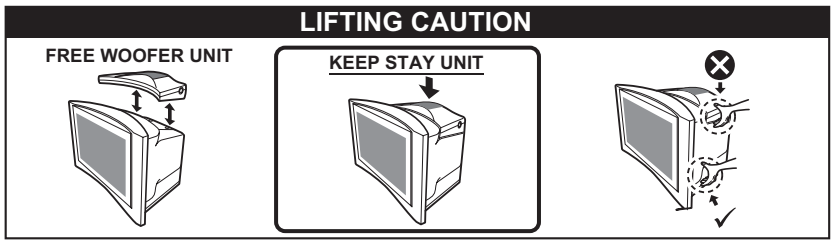


Fig.7

CAUTION

- The woofer unit is mounted on the TV. Always move the TV and woofer unit together when removing the TV from the box, or when moving the woofer unit.
- If the TV is tilted during movement the woofer unit may fall. Be careful to keep the TV level when moving it.
- Do not grip the woofer unit when moving the TV.
- Do not place objects on the woofer unit duct.



2.5 REPLACEMENT OF MEMORY ICs

2.5.1 MEMORY ICs

This TV use memory ICs. In the memory ICs, there are memorized data for correctly operating the video and deflection circuits. When replacing memory ICs, be sure to use ICs written with the initial values of data

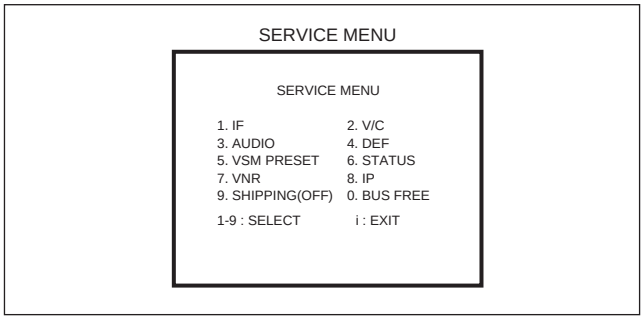


Fig.1

2.5.2 PROCEDURE FOR REPLACING MEMORY ICs

(1) Power off
Switch the power off and unplug the power cord from the wall outlet

(2) Replace ICs.
Be sure to use memory ICs written with the initial data values

(3) Power on
Plug the power cord into the wall outlet and switch the power on.

(4) Setting of receive channels
Set the receive channel.
For setting, refer to the OPERATING INSTRUCTIONS.

(5) Setting of SERVICE MENU
a) Press the INFORMATION key and the MUTE key of the REMOTE CONTROLUNIT simultaneously.
b) The SERVICE MENU screen of Fig. 1 will be displayed.
c) When a desired number is selected, the following menu will come up respectively.
Verify the setting items of the SERVICE MENU and reset where necessary. for setting, refer to the SERVICE ADJUSTMENTS.

(6) User settings
Check the user setting values of Table 1, and if setting value is different, set the correct value.
For setting, refer to the OPERATING INSTRUCTIONS.

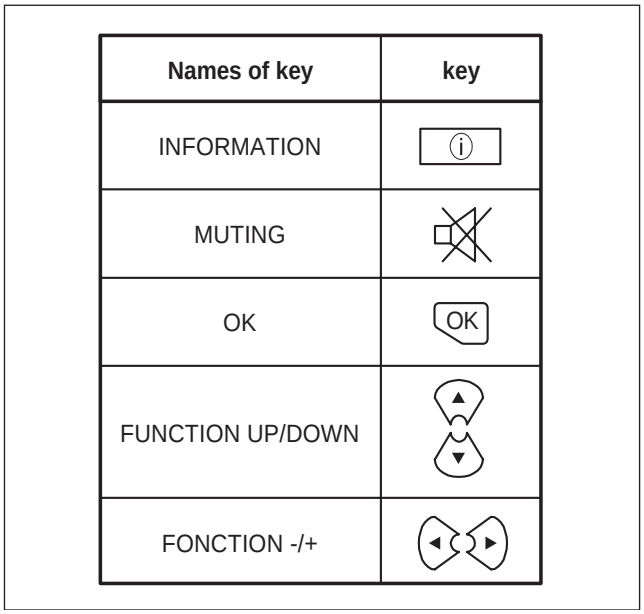


Fig.2

2.5.3 USER SETTING VALUES (SHIPPING VALUES)

Setting item	Setting value
MAIN POWER SW	OFF
SHIPPING CHANNEL	PR1
PRESET CHANNEL	See ; OPERATING INSTRUCTIONS.
ZOOM MODE	PANORAMIC
SUB POWER	ON
DISPLAY	INDICATED
SOUND LEVEL	10
PICTURE FEATURES	
DIGITAL VNR	AUTO
DIGIPURE PRO	AUTO
COLOUR SYSTEM	TV : Depends on PR/CH EXT : AUTO
PICTURE TILT	CENTRE
N/S CANCEL	CENTRE
4: 3 AUTO ASPECT	PANORAMIC
PIP POSITION	Right below
FEATURES	
SLEEP TIMER	OFF
BLUE BACK	ON
CHILD LOCK	
ID NO	0000
ALL CH	OFF
DECODER (EXT-2)	ALL CH: OFF
DUBBING	EXT-1---->EXT-2
EXT SETTING	
ID	NON(SPACE)
S-IN	NON(SPACE)

Setting item	Setting value
PICTURE SETTING	
PICTURE MODE	BRIGHT
COLOUR TEMP	NORMAL
TINT	NORMAL
INSTALL	
LANGUAGE	ENGLISH
EDIT	PRESET CHANNEL ONLY OTHER : NON (SPACE)
SOUND	
BASS	CENTRE
TREBLE	CENTRE
BALANCE	CENTRE
DIGITAL SURROUND	SURROUD OFF
3D PHONIC	
TV SPEAKER	L/C/R
SUB WOOFER	OFF
LEVEL	CENTRE
VOLUME	MAX
HEAD PHONE	
VOLUME	20
TV SPEAKER	OFF
OUTPUT	MAIN
DOLBY DIGITAL	
TV SPEAKER	L/C/R
REAR SPEAKER	ON
SUB WOOFER	OFF
TEST TONE	OFF
LEFT	MAX
CENTRE	MAX
RIGHT	MAX
SURROUND	MAX
DELAY TIME	0

Table 1

2.5.4 SERVICE MENU SETTING ITEMS

Setting item	Setting value	Setting item	Setting value
1.IF	1.VCO 2.ATT ON/OFF	6.STATUS	**(Do not adjust)**
2. V/C	1.CUT OF R 12.TWN CONT 2.CUT OF G 13.COLOUR 3.CUT OF B 14.HUE 4.DRIVE R 15.BY GAIN 5.DRIVE G 16.TWN COL 6.DRIVE B 17.TWN TINT 7.TWN HI R 18.B OF MR 8.TWIN HI B 19.B OF MB 9.BRIGHT 20.B OF SR 10.CONT 21.B OF SB 11.TWN BRIG	7.VNR **(Do not adjust)**	1.MYLV 10.MCCOR 2.ONMVF 11.CLTL 3.MYCOR 12.YNGA 4.MYGA 13.COR_OF 5.YEGON 14.LPF_OF 6.YEGL 15.YCTL 7.YLTL 17.YNCON 8.MCLV 9.MCGA
3.AUDIO **(Do not adjust)**	1.ERR LIMIT 2.A2 ID THR 3.Q-PEAK SOUND SYSTEM 4.SOUND LEVEL SOUND SYSTEM	8.IP **(Do not adjust)**	PPA001 - PPA008 PPB001 - PPB036 PPC001 - PPC007 ADS001 - ADS034 IPA001 - IPA120 IPB001 - IPB088 IPC001 - IPC044 IPD001 - IPD058
4.DEF	1.FREE-RUN 7.EW-PIN 2.V-SHIFT 8.COR-UP 3.V-SIZE 9.COR-LO 4.H-CENT 10.V.S-COR 5.H-SIZE 11.V-LIN 6.TRAPEZ	9.SHIPPING	**(Do not select under the adjustment)**
5.VSM PRESET	1.CONT 2.BRIGHT 3.SHARP 4.COLOUR 5.HUE 6.WDR R 7.WDR G 8.WDR B		

Table 2

2.6 REPLACEMENT OF CHIP COMPONENT

2.6.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

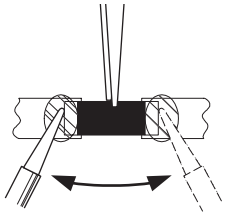
2.6.2 SOLDERING IRON

(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

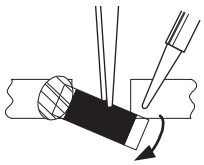
2.6.3 REPLACEMENT STEPS

1. How to remove Chip parts
[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



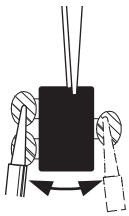
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

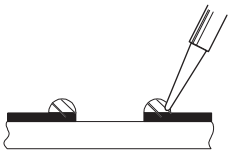
(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



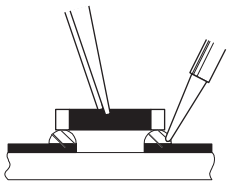
Note :
After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts
[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

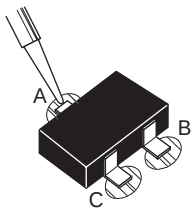


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

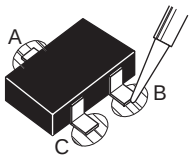


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 3
SERVICE ADJUSTMENTS

3.1 ADJUSTMENT PREPARATION

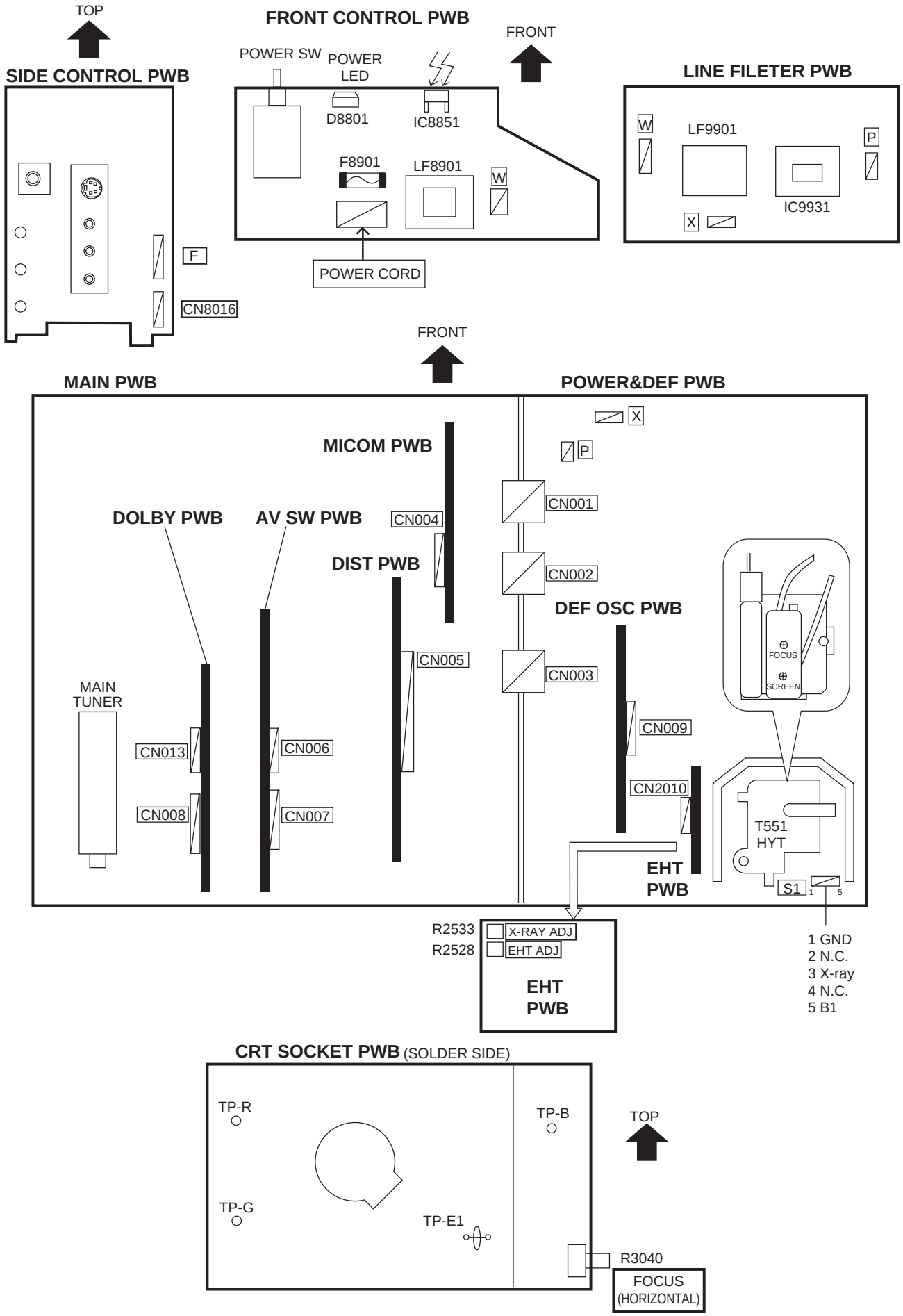
(1) There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
(2) The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
(7) Preparation for adjustment (presetting):
Unless otherwise specified in the adjustment items, preset thefollowing functions with the REMOTE CONTROL UNIT:
Setting position

Setting item	Setting value
PICTURE MODE	NORMAL
DIGITAL VNR	AUTO
DIGIPURE PRO	AUTO
SLEEP TIMER	OFF
TONE BALANCE	CENTRE
DIGITAL SURROUND	OFF
BLUE BACK	OFF
ZOOM MODE	FULL

3.2 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or Digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator) [PAL/SECAM/NTSC]
- Remote control unit

3.3 ADJUSTMENT LOCATIONS



3.4 BASIC OPERATION IN SERVICE MENU

3.4.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the remote control unit.

3.4.2 SERVICE MENU ITEMS

With the SERVICE MENU,various settings (adjustments)can be made,and they are broadly classified in the following items of settings:

1.IF	This mode adjusts the setting values of the IF circuit.
2.V/C	This mode adjusts the setting values of the VIDEO / CHROMA circuit.
3.AUDIO	This mode adjusts the setting values of the SOUND circuit. It is not requirement to adjustment. (Setting only)
4.DEF	This mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given
5.VSM PRESET	This mode adjusts the initial setting values of Bright, Standard & Soft. (VSM: Video Status Memory)
6.STATUS	It is no requirement to adjustment.
7.VNR	This mode adjusts the setting values of the DIGITAL circuit. It is not requirement to adjustment. (Setting only)
8.IP	This mode adjusts the setting values of the IP circuit. It is not requirement to adjustment. (Setting only)
9.SHIPPING(OFF)	Don't select under the adjustment.as this menu is set in "ON" after the inspection. **Note:** When users press the MAIN POWER button, the JVC logo appears. If they press any keys, the LANGUAGE menu appears.
10.BUS FREE	It is not requirement to adjustment.

3.4.3 BASIC OPERATION IN SERVICE MENU

(1) How to enter SERVICE MENU

Press the [INFORMATION] key and the [MUTE] key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.

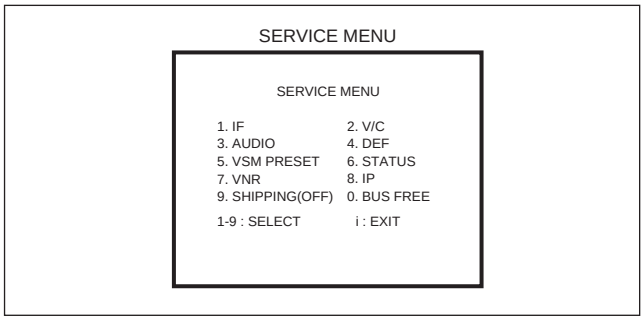


Fig.1

(2) Selection of SUB MENU SCREEN

Press one of keys [1~5] of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU ---> SUB MENU

- 1. IF
- 2. V/C
- 3. AUDIO **(Do not adjust)**
- 4. DEF.
- 5. VSM PRESET
- 6. STATUS **(Do not adjust)**
- 7. VNR **(Do not adjust)**
- 8. IP **(Do not adjust)**
- 9. SHIPPING (OFF) **(Do not adjust)**
- 0. BUS FREE **(Do not adjust)**

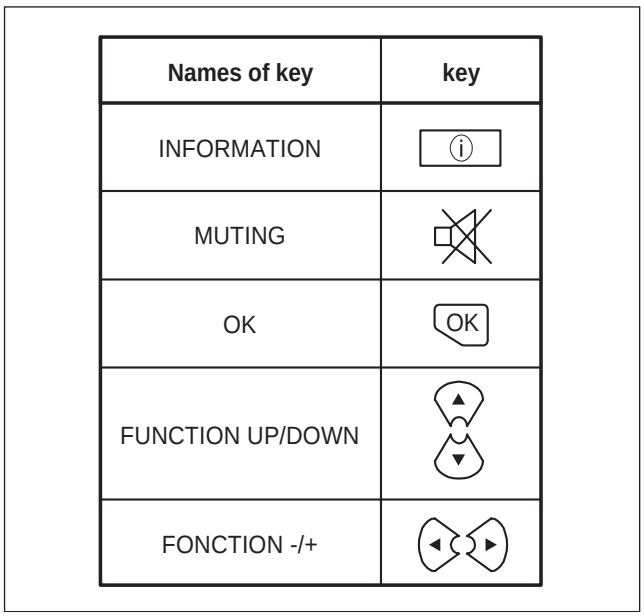


Fig.2

(3) Method of Setting

1) Method of Setting 1.IF

[1.VCO] : It must not adjust without signal.

Key	Function
(a) [1]	Select 1.1F
(b) [1]	Select 1.VCO (CW) Make sure that the arrow position between the ABOVE REF and BELOW REF.
(c) [INFORMATION]	Return to the SERVICE MENU screen.

2) Method of setting 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.

Key	Function
(a) [2~5]	Select one from 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.
(b) FUNCTION UP / DOWN (▲/▼)	Select setting items.
(c) FUNCTION -/+ (◀/▶)	Set (adjust) the setting values of the setting items.
(d) OK	Memorize the setting value. (Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key if you do, the values will not be stored in memory.)
(e) INFORMATION	Return to the SERVICE MENU screen.

3) Do not setting 6.STATUS, 7.VNR, 8.IP, 9.SHIPPING (OFF) and 0.BUS FREE.

(4) Release of SERVICE MENU

After completing the setting, return to the SERVICE MENU, then again press the [INFORMATION] key.

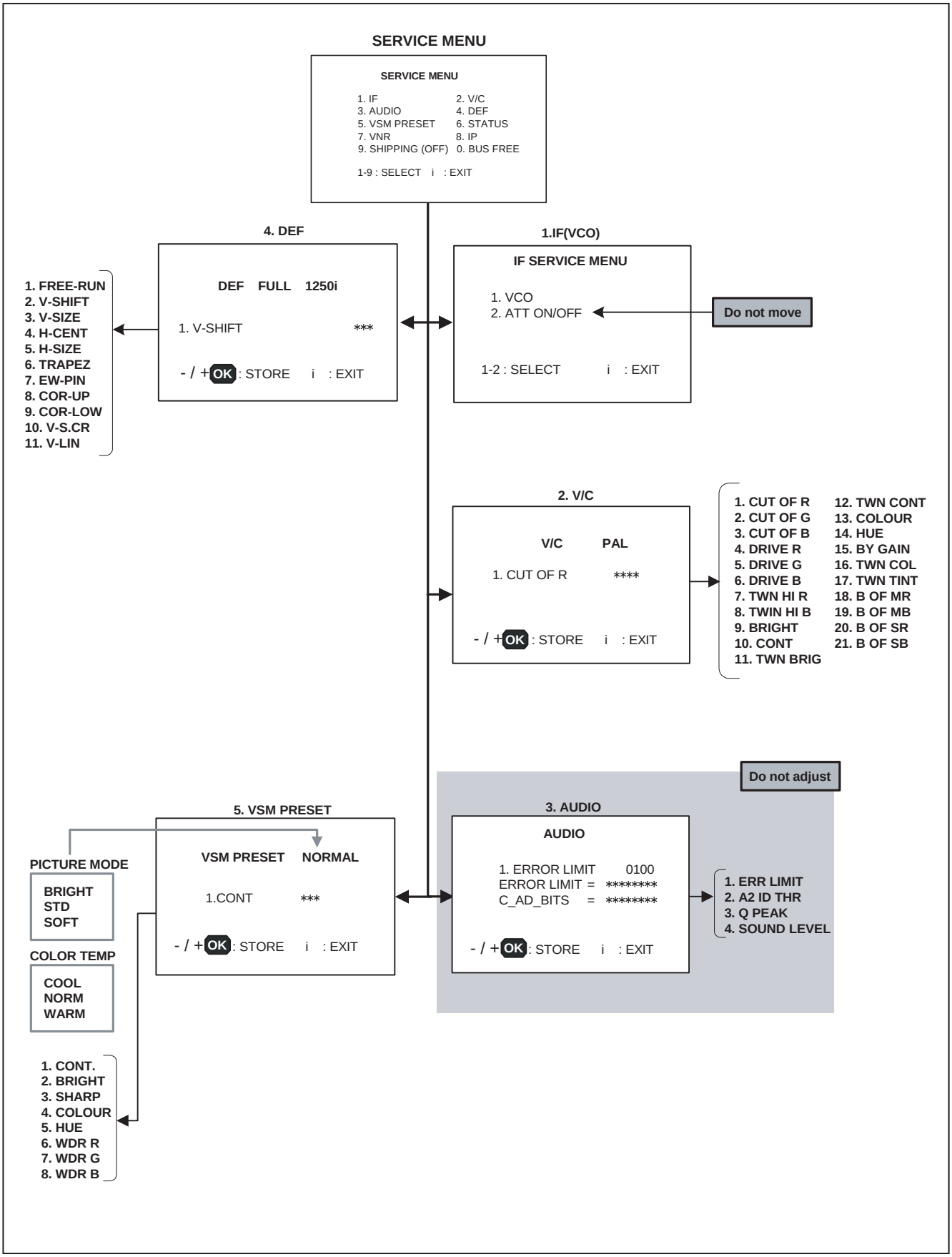
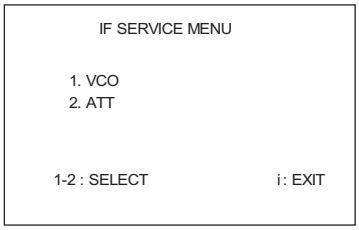


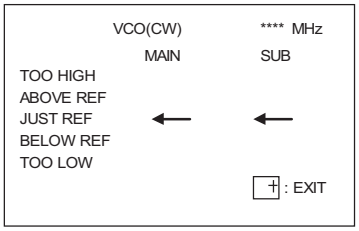
Fig.3 SERVICE MENU SCREEN

3.5 ADJUSTMENTS

3.5.1 CHECK ITEM

Item	Mesuring instrument	Test point	Adjustment part	Description
B1 POWER SUPPLY Check	Signal generator DC voltmeter Remote control unit	CN0S1 connector pin-1 (GND) CN0S1 connector pin-5 (B1) [POWER & DEF PWB]	2. V/C --> 1. CUT OF R	(1) Receive any broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select 1. CUT OF R. (4) Press the [YELLOW] key to display a signal horizontal line. (5) Connect the voltmeter between 5pin (B1), and 1pin (GND) of the connector CN0S1. (6) Confirm that the voltage is DC185V ± 2V.
VCO Check	Remote control unit		1. IF --> 1. VCO	• Under normal conditions, no adjustment is required. (1) Receive any broadcast. (2) Select 1.IF from the SERVICE MENU. (3) Select 1.VCO. (4) Check the arrow position of MAIN between the “ABOVE REF.” and “BELOW REF.” . (5) Check the arrow position of SUB between the “ABOVE REF.” and “BELOW REF.”.





The arrow position mean AFC voltage level.

3.5.2 HIGH VOLTAGE

Item	Mesuring instrument	Test point	Adjustment part	Description
HIGH VOLTAGE	Signal generator HV voltmeter Remote control unit	CRT anode Chassis GND	2. V/C -->1. CUT OF R EHT VR (R2528) [EHT PWB]	(1) Receive any broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select 1. CUT OF R. (4) Press the [YELLOW] key to display a signal horizontal line. (5) Connect a HV voltmeter between CRT ANODE and chassis GND (6) Adjust EHT VR so that the voltage is 31.0kV ± 0.2kV.

3.5.3 X-RAY PROTECTOR

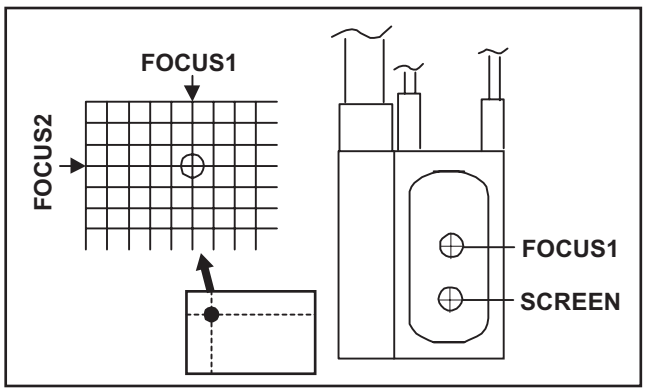
Item	Mesuring instrument	Test point	Adjustment part	Description
X-RAY PROTECTION	Signal generator DC voltmeter	CN0S1 connector pin-1 (GND) CN0S1 connector pin-3 (X-RAY) [POWER & DEF PWB]	X-RAY VR (R2533) [EHT PWB]	(1) Receive any broadcast. (2) Connect a DC voltmeter between pin1 and pin3 of the connector CN0S1. (3) Adjust X-RAY VR so that the voltage value is 4.9V ± 0.2V.

3.5.4 HORIZONTAL FREQUENCY

Item	Mesuring instrument	Test point	Adjustment part	Description
HORIZONTAL FREQUENCY	Signal generator Remote control unit		4.DEF -->1. FREE-RUN	(1) Receive the cross-hatch signal. (2) Set the FULL mode. (3) Select 4. DEF from the SERVICE MENU. (4) Select 1.FREE-RUN. (5) Adjust so that the movement of the picture slows most while watching the picture. (6) Press the [OK] key and memorized the set data.

3.5.5 FOCUS

Item	Mesuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator Remote control unit		FOCUS 1 VR [HVT] FOCUS 2 VR (R3040) [CRT SOCKET PWB]	(1) Receive the cross-hatch signal (2) Set the FULL mode. (3) By turning the FOCUS 1 VR, adjust the picture so that the " ○ " part horizontal line may become thinnest. (4) By turning the FOCUS 2 VR, adjust the picture so that the most outside vertical line may become thinnest. (5) Carry out adjustment by repeating the steps 3 and 4 above. (6) Make sure that the screen is darkened, the lines remain in good focus.



3.5.6 VSM PRESET ADJUST SETTING

Item	Mesuring instrument	Test point	Adjustment part	Description
VSM PRESET setting	Remote control unit		5. VSM PRESET -->1. CONT 2. BRIGHT 3. SHARP 4. COLOUR 5. HUE 6. WDR R 7. WDR G 8. WDR B	(1) Select 5. VSM PRESET from the SERVICE MENU. (2) Select the PICTURE MODE to BRIGHT. (3) Adjust to bring the set values of 1. CONT to 5. HUE to the values shown in the table. (4) Press the [OK] key and memorize the set value. (5) Respectively select PICTURE MODE for SOFT and STD, and make similar adjustment as step 3 and 4 in above. (6) Select the COLOUR TEMP to COOL. (7) Adjust to bring the set values of 6. WDR R to 8. WDR B to the values shown in the table. (8) Press the [OK] key and memorize the set value. (9) Respectively select COLOUR TEMP for WARM and NORMAL, and make similar adjustment as step 7 and 8 in above.

SETTING VALUES OF VSM PRESET

	PICTURE MODE			COLOUR TEMP		
	BRIGHT	**STD**	**SOFT**	**COOL**	**NORMAL**	**WARM**
1.CONT	+12	+5	-8	-	-	-
2.BRIGHT	-2	0	0	-	-	-
3.SHARP	0	0	-2	-	-	-
4.COLOUR	0	0	-2	-	-	-
5.HUE	0	0	0	-	-	-
6.WDR R	-	-	-	-4	0	+8
7.WDR G	-	-	-	0	0	0
8.WDR B	-	-	-	+8	0	-1

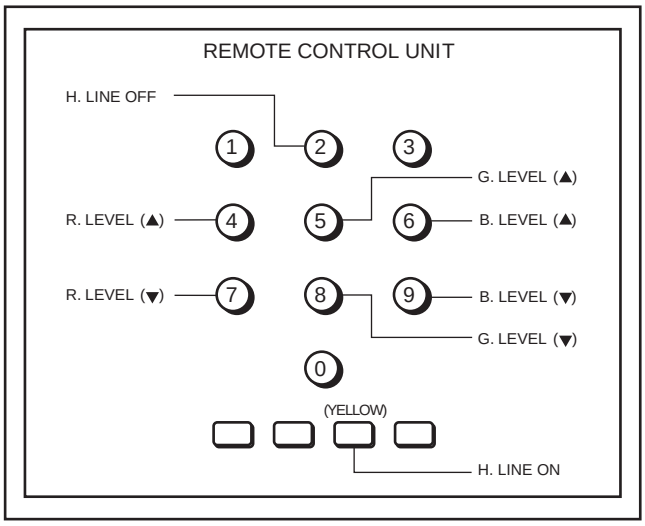
3.5.7 VIDEO / CHROMA CIRCUIT ADJUSTMENT

The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

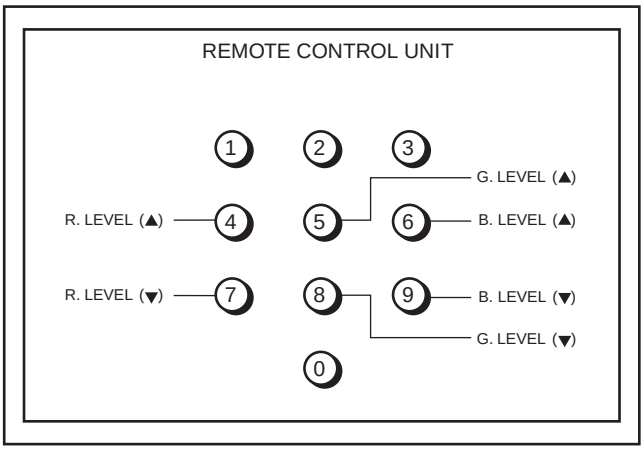
Setting item (Adjustment item)	TV		EXT-1 / EXT-2 / EXT-3 / EXT-5			EXT-4			
	PAL	SECAM	PAL	SECAM	NTSC	625i	525i	625p	525p
1.CUT OF R	88	88	88	88	88	[0]	[0]	[0]	[0]
2.CUT OF G	88	88	88	88	88	[0]	[0]	[0]	[0]
3.CUT OF B	88	88	88	88	88	[0]	[0]	[0]	[0]
4.DRIVE R	64	64	64	64	64	[0]	[0]	[0]	[0]
5.DRIVE G	64	64	64	64	64	[0]	[0]	[0]	[0]
6.DRIVE B	64	64	64	64	64	[0]	[0]	[0]	[0]
7.TWN HI R	67	67	67	67	67	[-1]	[-1]	[-4]	[-4]
8.TWN HI B	67	67	67	67	67	[-1]	[-1]	[-1]	[-1]
9.BRIGHT	141	141	141	141	141	[-5]	[-5]	[-1]	[-1]
10.CONT	70	70	70	70	70	[0]	[0]	[0]	[0]
11.TWN BRIG	76	76	76	76	76	[0]	[0]	[0]	[0]
12.TWN CONT	7	7	7	7	7	[0]	[0]	[0]	[0]
13.COLOUR	60	60	[0]	[0]	60	[0]	[0]	[0]	[0]
14.HUE	[32]	[32]	32	32	32	[68]	[68]	[0]	[0]
15.BY GAIN	[43]	[43]	[0]	[0]	[43]	[0]	[0]	[0]	[0]
16.TWN COL	6	6	[0]	[0]	6	-	-	-	-
17.TWN TNT	[32]	[32]	32	32	32	-	-	-	-
18.B OF MR	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]
19.B OF MB	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]
20.B OF MR	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]
21.B OF MB	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]

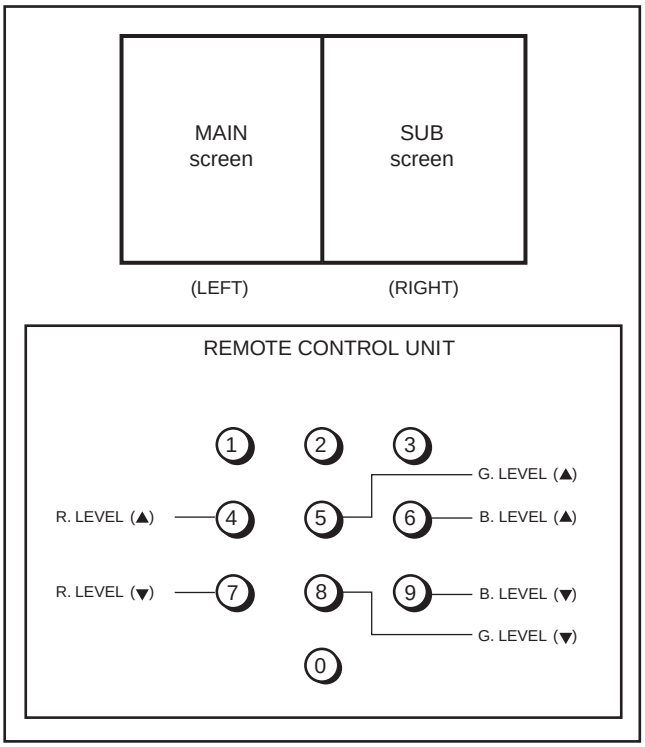
Mark [ ] : Fix (Do not move)

Item	Mesuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (Low light)	Signal generator Remote control unit		2. V/C -->1. CUT OF R 2. CUT OF G 3. CUT OF B SCREEN VR [HVT]	(1) Receive the black and white pattern signal (colour off). (2) Set the FULL mode. (3) Select 2. V/C from the SERVICE MENU. (4) Select 1. CUT OF R and set each value to initial setting value. (5) Press the [YELLOW] key to display a signal horizontal line. (6) Turn the SCREEN VR fully counterclockwise, then slowly turn it clockwise to where a red, blue or green colour is faintly visible. (7) Adjust the other 2 colours to where the single horizontal line appears white. (8) Turn the SCREEN VR to where the single horizontal line glows faintly. (9) Press the [2] key to release the holizontal line mode. (10) Press the [OK] key and memorized the set value.

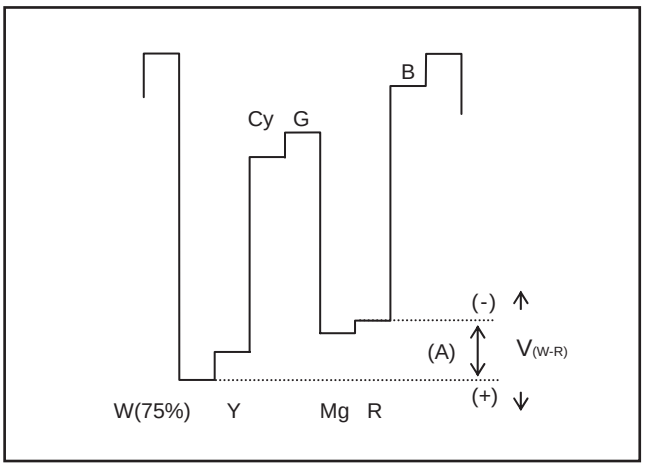


Item	Mesuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (High light)	Signal generator Remote control unit		2. V/C --> 4. DRIVE R 5. DRIVE G 6. DRIVE B	• Proceed to the following adjustment after having completed the adjustment of LOW LIGHT WHITE BALANCE. (1) Receive the black and white pattern signal (colour off). (2) Set the FULL mode. (3) Select 2. V/C from the SERVICE MENU. (4) Select 4. DRIVE R, and 6. DRIVE B and set each value to initial setting value. (5) Produce a white screen. (6) Press the [OK] key and memorize the set value.
SUB SCREEN WHITE BALANCE (High light)	Signal generator Remote control unit		2. V/C --> 7. TWIN HI R	(1) Receive the black and white pattern signal (colour off). (2) Select the Twin screen mode by pressing the [PIP] key. (3) Select 2. V/C from the SERVICE MENU. (4) Select 7.TWIN HI R. (5) Adjust so that the white level on the right screen in the same manner as for left screen. (6) Press the [OK] key and memorize the set value.



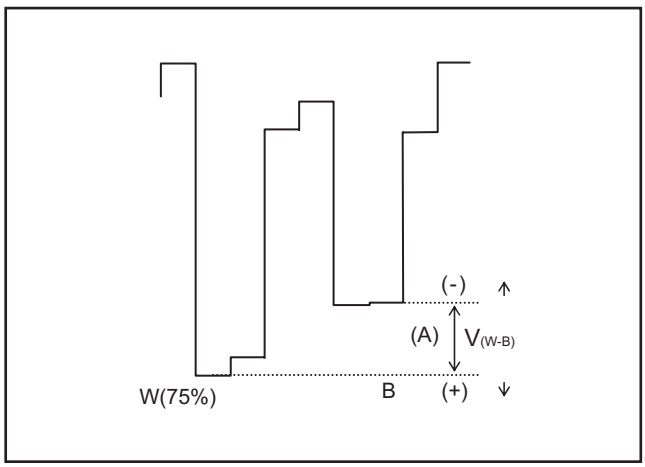


Item	Mesuring instrument	Test point	Adjustment part	Description
SUB BRIGHTNESS	Signal generator Remote control unit		2. V/C --> 9. BRIGHT	(1) Receive the black and white pattern signal (colour off). (2) Select 2. V/C from the SERVICE MENU. (3) Select 9. BRIGHT. (4) Set the inital setting value. (5) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness. (6) Press the [OK] key and memorize the set value.
SUB CONTRAST	Signal generator Remote control unit		2. V/C--> 10. CONT	(1) Receive the black and white pattern signal (colour off). (2) Select 2. V/C from the SERVICE MENU. (3) Select 10. CONT. (4) Set the inital setting value. (5) If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast. (6) Press the [OK] key and memorize the set value.
SUB SCREEN SUB BRIGHTNESS & SUB CONTRAST	Signal generator Remote control unit		2. V/C --> 11. TW BRIG 12. TW CONT	(1) Receive the black and white pattern signal (colour off). (2) Select the Twin screen mode by pressing the [PIP] key. (3) Select 2. V/C from the SERVICE MENU. (4) Select 11.TW BRIG. (5) Set the inital setting value. (6) Adjust 11.TW BRIG so that the right screen becomes the same as for the left screen. (7) Adjust 12. TW CONT so that right screen becomes the same as for the left screen. (8) If brightness was changed, adjust it one more time. (9) Press the [OK] key and memorize the set value.
PAL SUB COLOUR	Signal generator Oscilloscope Remote control unit	TP-R TP-E [CRT SOCKET PWB]	2. V/C --> 13. COLOUR	**[Method of adjustment without measuring instrument]** (1) Receive PAL broadcast. (2) Select 2.V/C from the SERVICE MENU. (3) Select 13.COLOUR. (4) Set the initial setting value for PAL COLOUR. (5) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. (6) Press the [OK] key and memorize the set value. **[Method of adjustment using measuring instrument]** (1) Receive a PAL full field colour bar signal (75% white). (2) Select 2.V/C from the SERVICE MENU. (3) Select 13.COLOUR. (4) Set the initial setting value for PAL COLOUR. (5) Connect the oscilloscope between TP-R and TP-E. (6) Adjust PAL COLOUR and bring the value of (A) in the illustration to 5V (voltage difference between white (W) and red (R)). (7) Press the [OK] key and memorize the set value.



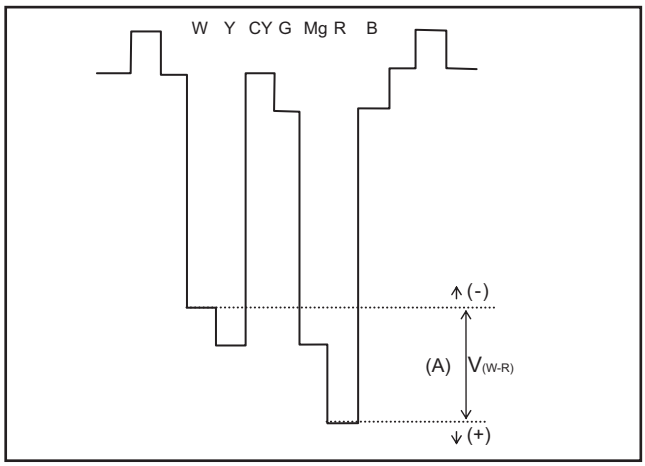
<table>
<tr><th>Item</th><th>Mesuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SECAM
SUB COLOUR</td><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-R
TP-E
[CRT SOCKET PWB]</td><td>2. V/C -->
13. COLOUR</td><td rowspan="2">[Method of adjustment without measuring instrument]
(1) Receive SECAM broadcast.
(2) Select 2.V/C from the SERVICE MENU.
(3) Select 13.COLOUR.
(4) Set the initial setting value for SECAM COLOUR.
(5) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour.
(6) Press the [OK] key and memorize the set value.
[Method of adjustment using measuring instrument]
(1) Receive a SECAM colour bar signal.
(2) Select 2.V/C from the SERVICE MENU.
(3) Select 13.COLOUR.
(4) Set the initial setting value for SECAM COLOUR.
(5) Connect the oscilloscope between TP-R and TP-E.
(6) Adjust SECAM COLOUR and bring the value of (A) in the illustration to 4V (voltage difference between white (W) and blue (B)).
(7) Press the [OK] key and memorize the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>NTSC
SUB COLOUR</td><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-R
TP-E
[CRT SOCKET PWB]</td><td>2. V/C -->
13. COLOUR</td><td rowspan="2">[Method of adjustment without measuring instrument]
(1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal.
(2) Select 2.V/C from the SERVICE MENU.
(3) Select 13.COLOUR.
(4) Set the initial setting value for NTSC COLOUR.
(5) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour.
(6) Press the [OK] key and memorize the set value.
[Method of adjustment using measuring instrument]
(1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.
(2) Select 2.V/C from the SERVICE MENU.
(3) Select 13.COLOUR.
(4) Set the initial setting value for NTSC COLOUR.
(5) Connect the oscilloscope between TP-R and TP-E.
(6) Adjust NTSC COLOUR and bring the value of (A) in the illustration to 3V (voltage difference between white (W) and red (R)).
(7) Press the [OK] key and memorize the set value.

-NTSC 4.43MHz COLOUR-
When NTSC 3.58MHz COLOUR, set, NTSC 4.43MHz COLOUR will automatically set.</td></tr>
<tr><td colspan="4"> 
</td></tr>
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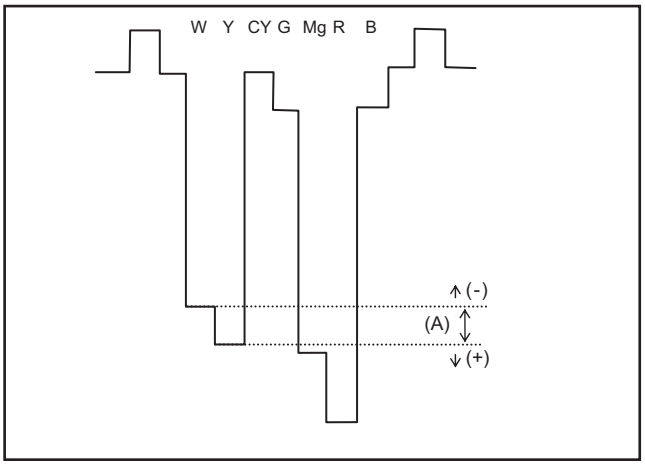
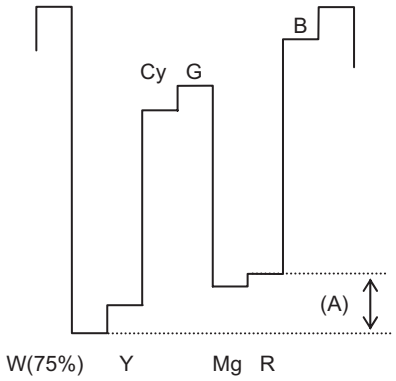
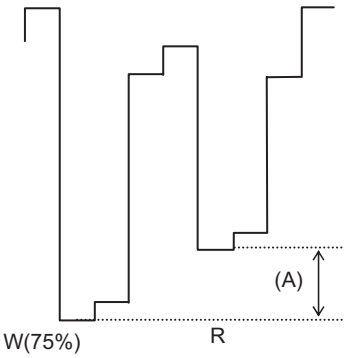
Item	Mesuring instrument	Test point	Adjustment part	Description
NTSC 3.58MHz SUB TINT	Signal generator Oscilloscope Remote control unit	TP-R TP-E [CRT SOCKET PWB]	2. V/C --> 14. HUE	**[Method of adjustment without measuring instrument]** (1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. (2) Select 2. V/C from the SERVICE MENU. (3) Select 14. HUE. (4) Set the initial setting value for NTSC HUE. (5) If the colour is not the bwst with the initial set value, make fine adjustment until you get the best colour. (6) Press the [OK] key and memorize the set value. **[Method of adjustment using measuring instrument]** (1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. (2) Select 2.V/C from the SERVICE MENU. (3) Select 14.HUE. (4) Connect the oscilloscope between TP-R and TP-E. (5) Adjust NTSC COLOUR and bring the value of (A) in the illustration to -1V (voltage difference between white (W) and yellow (Y)). (6) Press the [OK] key and memorize the set value. **-NTSC 4.43MHz TINT-** When NTSC 3.58MHz TINT, set, NTSC 4.43MHz TINT will automatically set.



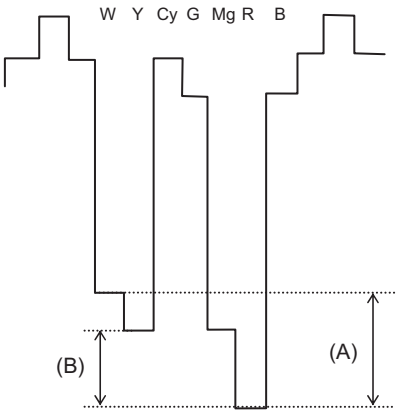
Item	Mesuring instrument	Test point	Adjustment part	Description
SUB SCREEN SUB COLOUR & SUB TINT	Signal generator Oscilloscope Remote control unit	TP-R TP-E [CRT SOCKET PWB]	2. V/C -->16.TWN COL 17.TWN TNT	(1) Receive PAL colour bar signal to right and left screen. (2) Select the Twin screen mode by pressing the [PIP] key. (3) Select 2. V/C from the SERVICE MENU. (4) Select 16. TWIN COL. (5) Connect the osilloscope to TP-R. (6) Adjust so that the colour difference (A) on the right screen in the same manner as for left screen. (7) Press the [OK] key and memorize the set value. (8) Receive SECAM colour bar signal to right and left screen. (9) Adjust so that the colour difference (A) on the right screen in the same manner as for left screen. (10) Press the [OK] key and memorize the set value. (11) Input a NTSC 3.58MHz COMPOSITE VIDEO signal to right and left screen. (12) Adjust so that the colour difference (A) on the right screen in the same manner as for left screen. (13) Select 17. TWIN TNT. (14) Adjust so that the colour difference (B) on the right screen in the same manner as for left screen. (15) Press the [OK] key and memorize the set value.



<PAL COLOUR>



<SECAM COLOUR>



<NTSC COLOUR>

3.5.8 DEFLECTION CIRCUIT ADJUSTMENTS

The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

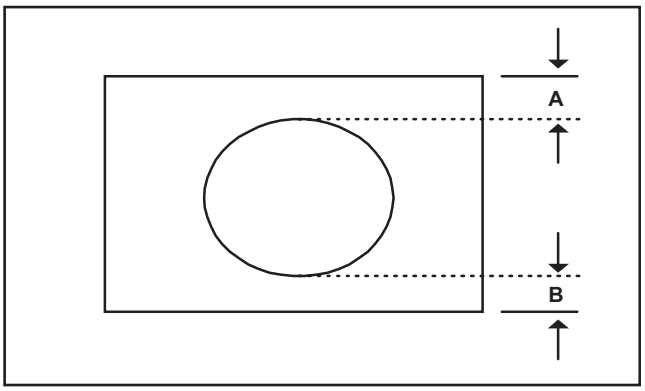
When the FULL mode has been established, the setting of other aspect modes will be done automatically.
There are 2 modes of the adjustment (1) 1250i mode and (2) 1500i depending upon the kind of signal (vertical frequency 50Hz/60Hz). FIrst adjust the 1250i mode, then adjust the 1500i mode.

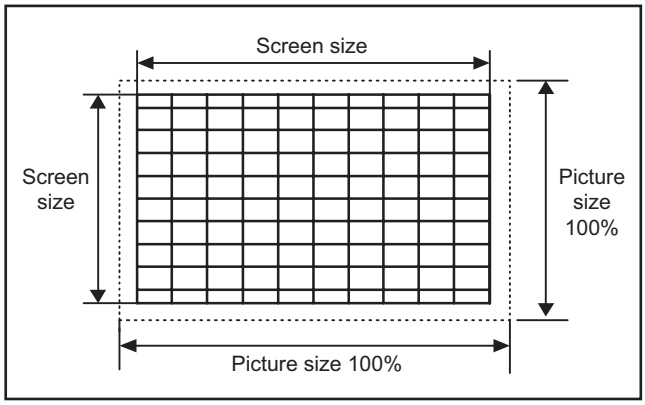
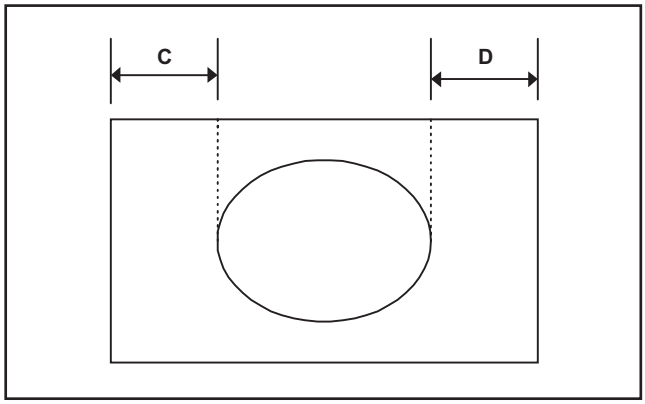
Note:
Proceed to the following adjustment after having completed the VIDEO / CHROMA adjustments. (BRIGHT and CONTRAST)

	4. DEF		
ASPECT	**FULL**		
SCAN MODE	**1250i (fv=50Hz)**	**1500i (fv=60Hz)**	**900i (fv=50Hz)**
1.FREE-RUN	70	0	0*
2.V-SHIFT	21	-2	1*
3.V-SIZE	59	0	6*
4.H-CENT	50	3	0*
5.H-SIZE	26	0	1*
6.TRAPEZ	30	0	0*
7.EW-PIN	28	0	0*
8.COR-UP	6	0	0*
9.COR-ROW	6	0	0*
10.V-S.CR	28	0	0*
11.V-LIN	40	0	0*

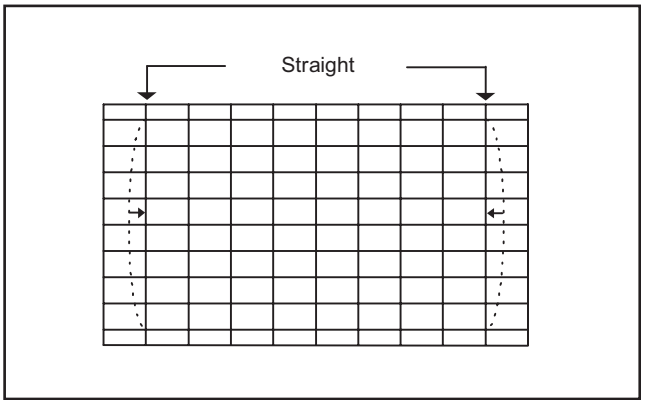
Mark * : Fix (Do not move)

Item	Mesuring instrument	Test point	Adjustment part	Description
V.POSITION	Signal generator Remote control unit		4.DEF --> 2.V-SHIFT	(1) Receive a circle pattern signal. (2) Set the FULL mode. (3) Select 4. DEF from the SERVICE MENU. (4) Select 2.V-SHIFT. (5) Adjust to make “A”=“B”. (6) Press the [OK] key and memorize the set value.

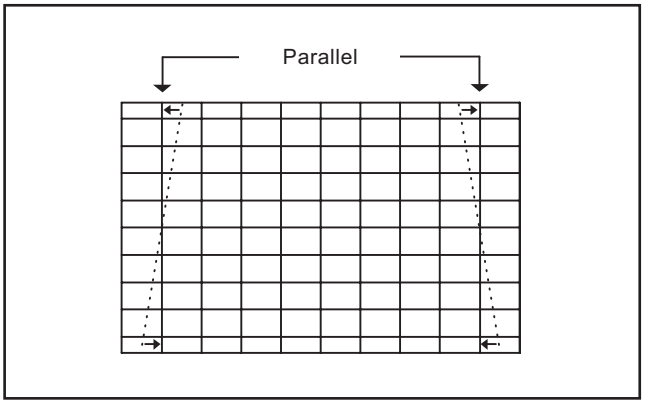


Item	Mesuring instrument	Test point	Adjustment part	Description
V.SIZE	Signal generator Remote control unit		4.DEF --> 3.V-SIZE	(1) Receive a cross-hatch signal. (2) Select 4.DEF from the SERVICE MENU. (3) Select 3.V-SIZE. (4) Adjust to make the vertical screen size 92% of the picture size. (5) Press the [OK] key and memorize the set value.
				
H.POSITION	Signal generator Remote control unit		4.DEF --> 4.H-CENT	(1) Receive a circle pattern signal. (2) Select 4.DEF from the SERVICE MENU. (3) Select 4.H-CENT. (4) Adjust to make “C”=“D”. (5) Press the [OK] key and memorize the set value.
				
H.WIDTH	Signal generator Remote control unit		4.DEF --> 5.H-SIZE	(1) Receive a circle pattern signal. (2) Select 4.DEF from the SERVICE MENU. (3) Select 5.H-SIZE. (4) Adjust to make the horizontal screen size 92% of the picture size. (5) Press the [OK] key and memorize the set value.

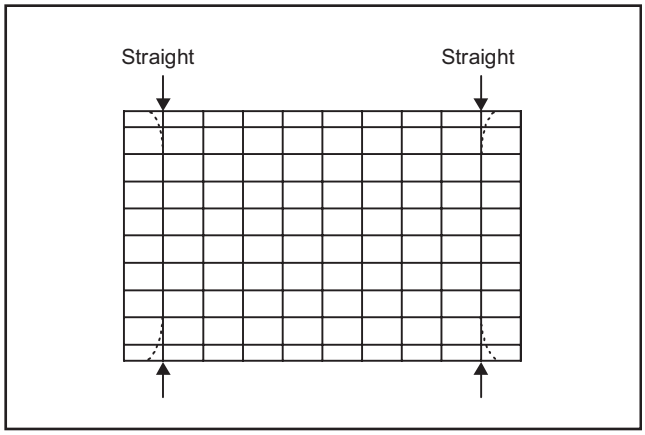
Item	Mesuring instrument	Test point	Adjustment part	Description
SIDEPIN	Signal generator Remote control unit		4.DEF --> 7.EW-PIN	(1) Receive a cross-hatch signal. (2) Select 4.DEF from the SERVICE MENU. (3) Select 7. EW-PI.N (4) Adjust so that the first vertical lines at the left and right edges on the screen are straight. (5) Press the [OK] key and memorize the set value.

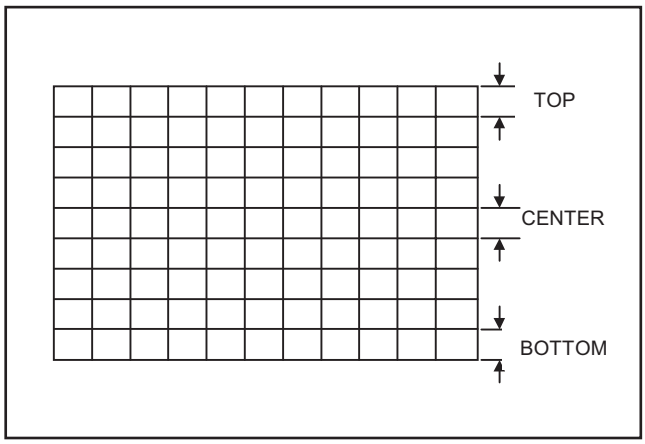


TRAPEZIUM	Signal generator Remote control unit		4.DEF --> 6.TRAPEZ	(1) Receive a cross-hatch signal. (2) Select 4.DEF from the SERVICE MENU. (3) Select 6. TRAPEZ. (4) Set the initial setting value. (5) Adjust so that the vertical lines at the left and right edges on the screen are in parallel. (6) Press the [OK] key and memorize the set value.



<table>
<tr><th>Item</th><th>Mesuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>CORNER PIN</td><td>Signal generator

Remote control unit</td><td></td><td>4. DEF -->
8. COR-UP
9. COR-LOW</td><td rowspan="2">(1) Receive a cross-hatch signal.
(2) Select 4. DEF from the SERVICE MENU.
(3) Select 8.COR-UP.
(4) Set the initial setting value.
(5) Adjust to bring the straight line at the upper corner.
(6) Select 9.COR-LOW.
(7) Set the initial setting value.
(8) Adjust to bring the straight line at the lower corner.
(9) Press the [OK] key and memorize the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>V.S-SHAPE CORRECTION & V.LINEARITY</td><td>Signal generator

Remote control unit</td><td></td><td>4. DEF -->
10. V-S.CR
11. V-LIN</td><td rowspan="2">• When the vertical linearity has been deteriorated remarkably, perform the following steps.
• Do not adjust PANORAMIC & SUBTITLE mode.
(1) Receive a cross-hatch signal.
(2) Select 4. DEF from the SERVICE MENU.
(3) Select 11.V-LIN.
(4) Set the initial setting value.
(5) Select 10.V-S.CR.
(6) Set the initial setting value.
(7) Adjust 11.V-LIN and 10.V-S.CR so that the spaces of each line on TOP, CENTER and BOTTOM become uniform.</td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

3.5.9 AUDIO ADJUSTMENT

Do not adjust 3. AUDIO adjustment of the SERVICE MENU as it requires no adjustment.
If values had changed for the some reason, set the initial values in the following table.

3. AUDIO (Do not adjust)

Setting item	Variable range	Initial setting value (fixed)
1. ERROR LIMIT	0000H ~ 0FF0H	0100
2. A2 ID THR	0000H ~ 00FF	19H
3. Q-PEAK (Do not adjust)	---	---
4. SOUND SYSTEM	F00FH ~ FFFFH	FFFFH

HV-32D25EUW
HV-32D25EJW

JVC

VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

Printed in Japan
0212 WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those wphich are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT 2
EXPLODED VIEW PARTS LIST -1 3
EXPLODED VIEW -1 3
EXPLODED VIEW PARTS LIST -2 4
EXPLODED VIEW -2 5
PRINTED WIRING BOARD PARTS LIST 6
MAIN P.W. BOARD ASS'Y 6
POWER & DEF P.W. BOARD ASS'Y 9
CRT SOCKET P.W. BOARD ASS'Y 11
FRONT CONTROL P.W. BOARD ASS'Y 12
SIDE CONTROL P.W. BOARD ASS'Y 12
LINE FILTER P.W. BOARD ASS'Y 12
DOLBY P.W. BOARD ASS'Y 12
EHT P.W. BOARD ASS'Y 15
DEF OSC P.W. BOARD ASS'Y 16
MICOM P.W. BOARD ASS'Y 17
AV SW P.W. BOARD ASS'Y 18
DIST P.W. BOARD ASS'Y 20
REMOTE CONTROL UNIT PARTS LIST 27
PACKING 28
PACKING PARTS LIST 28

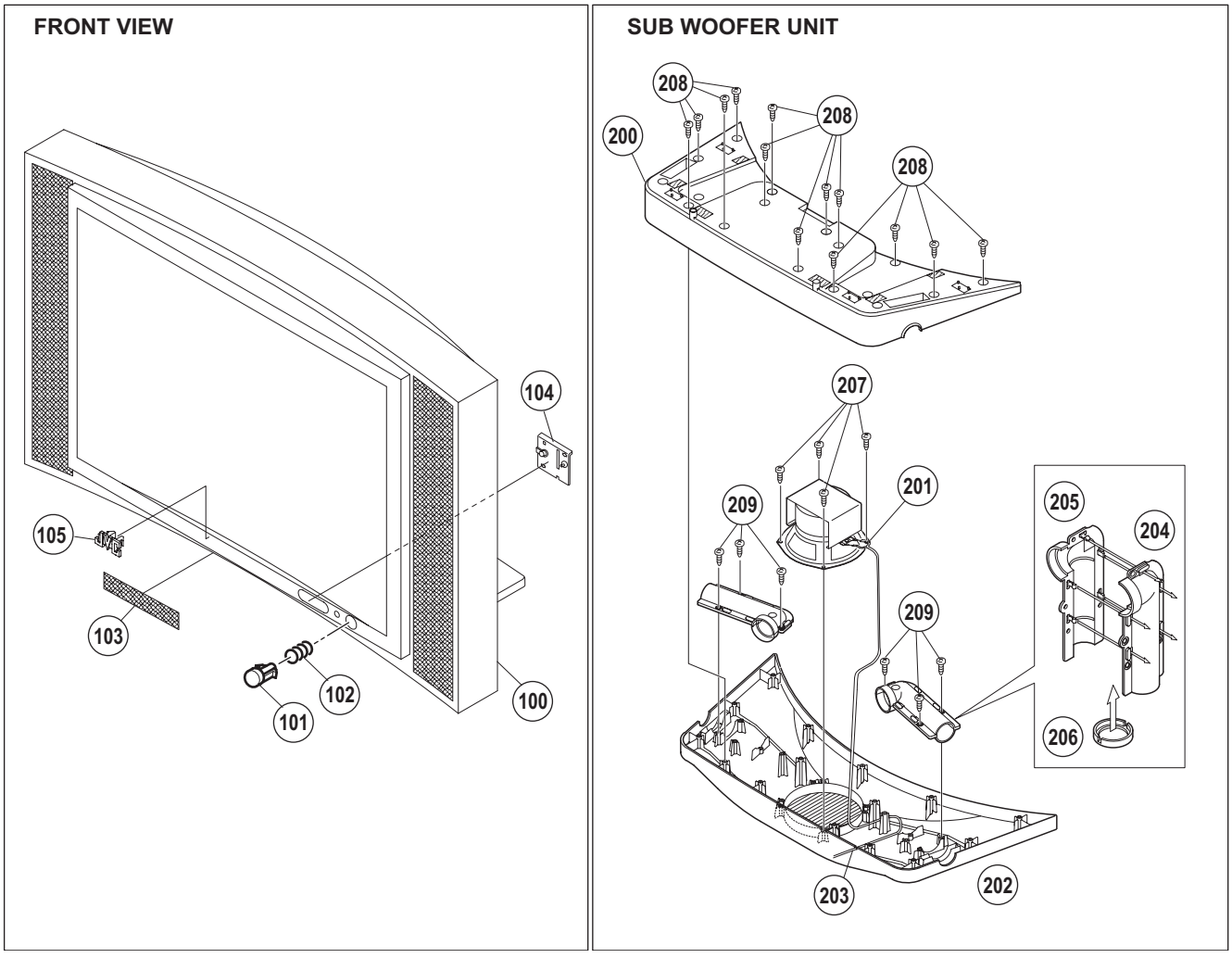
USING P.W. BOARD & REMOTE CONTROL UNIT

Model / PWB ASS'Y	HV-32D25EUW	HV-32D25EJW
MAIN PWB	SMK-1001A-U2	←
POWER & DEF. PWB	SMK-2001A-U2	←
CRT SOCKET PWB	SMK-3001A-U2	←
FRONT CONTROL PWB	SMK-8001A-U2	←
SIDE CONTROL PWB	SMK-8101A-U2	←
LINE FILTER PWB	SMK-9001A-U2	←
DOLBY PWB	SMK-0D001A-U2	←
EHT PWB	SMK-0E001A-U2	←
DEF OSC PWB	SMK-0H001A-U2	←
MICOM PWB	SMK-0M001A-U2	←
AV SW PWB	SMK-0S001A-U2	←
DIST PWB	SMK-0Z001A-U2	←
REMOTE CONTROL UNIT	RM-C61-1C	RM-C62-1C

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	100	LC11360-006A-U	FRONT CABINET ASSY	Include 101-103	
	101	LC31201-003A-U	POWER KNOB		
	102	AEM3149-001-E	SPRING		
	103	LC21031-001C-U	SPEAKER PANEL		
	104	LC31851-001B-C	WINDOW		
	105	LC41250-002C-C	JVC MARK		
	200	LC11309-001B-U	SP BOX B		
	201	QAS0118-001	SPEAKER	SP04	
	202	LC11308-001B-U	SP BOX T		
	203	WJJ0340-002A	E-SI C WIRE C-C		
	204	AEM2250-002A-U	BASS INT.DUCT L	(x2)	
	205	AEM2250-001A-U	BASS INT.DUCT R	(x2)	
	206	LC31935-001A-C	PORT SPACER	(x2)	
	207	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x4)	
	208	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x13)	
	209	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x6)	

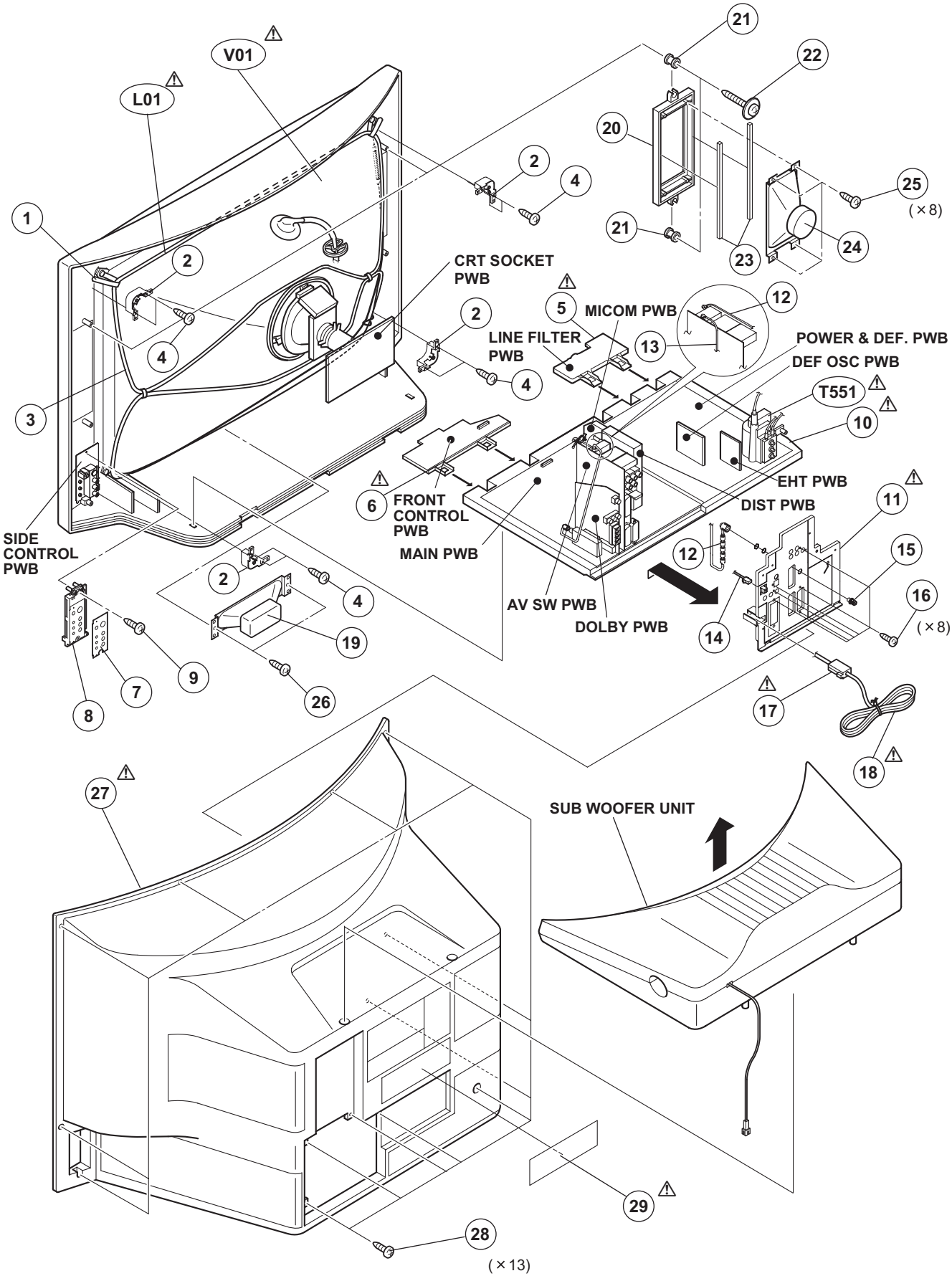
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	S76LUV350X96	PICTURE TUBE (ITC)	Included DY, PC MAGNET, WEDGE	
⚠	L01	QQW0165-001	DEG COIL	Included ROTATION, N/S COIL	
⚠	T551	QQH0149-001	FB TRANSF		
	1	WJY0013-003A	E-BRAIDED ASSY		
	2	LC20508-001D-U	ADAPTER	(x4)	
	3	WJY0001-010A	E-BRAIDED ASSY		
	4	QYSBSAG4016N	TAP SCREW	(x8)	
⚠	5	LC11498-001B-U	LF PCB BASE		
⚠	6	LC11311-002A-U	CONTROL BASE		
	7	LC31205-003A-U	CONTROL SHEET		
	8	LC10856-002A-U	SIDE CONT BASE		
	9	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm	
⚠	10	LC10716-004A-U	CHASSIS BASE		
⚠	11	LC11499-001B-U	AV BOARD		
	12	WJX0006-001A	E-COAXIAL ASSY		
	13	WJX0005-002A	E-COAXIAL ASSY		
	14	WJJ0339-002A	E-SI C WIRE C-C	WOOFER	
	15	QNB0112-001	ANT TERMINAL		
	16	QYSBSF3012M	TAP SCREW	3.0mm x 12mm(x8)	
⚠	17	CM46618-A01-E	POWER CORD CLAMP		
⚠	18	QMPK160-185-JC	POWER CORD(EU)	1.85m BLACK	EUW
⚠	18	QMPN130-185-JC	POWER CORD(EK)	1.85m BLACK	EJW
	19	QAS0110-001	SPEAKER	SP03	
	20	LC11310-001B-U	SPEAKER ADAPTER	(x2)	
	21	LC40226-003A-H	SPACER	(x4)	
	22	LC40506-001A	TAP SCREW	(x4)	
	23	AEM4111-001A-U	SPONGE	(x4)	
	24	QAS0128-001	SPEAKER	SP01/SP02(x2)	
	25	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x8)	
	26	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x2)	
⚠	27	LC11316-002B-U	REAR COVER		
	28	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x13)	
⚠	29	LC11548-003A-U	RATING RABEL		EUW
⚠	29	LC11364-018A-U	RATING LABEL		EJW

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SMK-1001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	AN15851A-W	IC		
IC201	TA1318N	IC	TV Component SYNC	
IC202	TC7W08F-X	IC		
IC301	AN5394FB	IC		
IC331	CXA1875AM-X	IC		
IC401	TC74HC02AF-X	SOP IC		
IC402	TC74HC14AF-X	IC		
IC551	LA6515	IC		
IC571	LA6515	IC		
IC601	AN7585	IC		
IC602	AN7585	IC		
IC701	AT24C-32D25EUW	IC	(SERVICE)	
IC703	R1141Q331B-X	IC		
IC706	JLC1562BF-X	IC		
IC707	JLC1562BF-X	IC		
IC901	PQ12RF1	IC		
IC902	SI-8090S	IC		
IC903	SI-8050S	IC	SW Regulator	
IC904	SI-8033S/F1	IC		
IC905	PQ070XH02Z-W	IC		
IC906	AN78L18-T	IC		
IC907	AN78L05-T	IC		
IC908	PQ15RW11	IC		
Q001	2SC2412K/QR/-X	TRANSISTOR		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SC2412K/QR/-X	TRANSISTOR		
Q111	2SC2412K/QR/-X	TRANSISTOR		
Q112	2SC2412K/QR/-X	TRANSISTOR		
Q113	2SC2412K/QR/-X	TRANSISTOR		
Q351	2SA1037AK/QR/-X	TRANSISTOR		
Q352	2SC2412K/QR/-X	TRANSISTOR		
Q355	2SC2412K/QR/-X	TRANSISTOR		
Q356	2SC2412K/QR/-X	TRANSISTOR		
Q361	2SC3837K/NP/-X	TRANSISTOR		
Q362	2SC3837K/NP/-X	TRANSISTOR		
Q363	2SC3837K/NP/-X	TRANSISTOR		
Q364	2SC2412K/QR/-X	TRANSISTOR		
Q371	2SA1022/BC/-X	TRANSISTOR		
Q372	2SC3837K/NP/-X	TRANSISTOR		
Q381	2SA1022/BC/-X	TRANSISTOR		
Q382	2SC3837K/NP/-X	TRANSISTOR		
Q391	2SA1022/BC/-X	TRANSISTOR		
Q392	2SC3837K/NP/-X	TRANSISTOR		
Q402	2SC3837K/NP/-X	TRANSISTOR		
Q403	2SC2412K/QR/-X	TRANSISTOR		
Q561	2SA1037AK/QR/-X	TRANSISTOR		
Q562	2SC2412K/QR/-X	TRANSISTOR		
Q563	2SA1037AK/QR/-X	TRANSISTOR		
Q571	2SA1037AK/QR/-X	TRANSISTOR		
Q572	2SC2412K/QR/-X	TRANSISTOR		
Q601	2SA1037AK/QR/-X	TRANSISTOR		
Q602	DTC144EKA-X	DIGI TRANSISTOR		
Q603	DTC323TK-X	DIGI TRANSISTOR		
Q604	DTC144EKA-X	DIGI TRANSISTOR		
Q605	DTC144EKA-X	DIGI TRANSISTOR		
Q606	2SC2412K/QR/-X	TRANSISTOR		
Q608	DTC144EKA-X	DIGI TRANSISTOR		
Q609	2SC2412K/QR/-X	TRANSISTOR		
Q611	2SA1037AK/QR/-X	TRANSISTOR		
Q612	DTC323TK-X	DIGI TRANSISTOR		
Q613	DTC323TK-X	DIGI TRANSISTOR		
Q614	DTC323TK-X	DIGI TRANSISTOR		
Q615	DTC144EKA-X	DIGI TRANSISTOR		
Q616	2SC2412K/QR/-X	TRANSISTOR		
Q617	DTC144EKA-X	DIGI TRANSISTOR		
Q618	2SC2412K/QR/-X	TRANSISTOR		
Q620	2SA1037AK/QR/-X	TRANSISTOR		
Q623	DTC323TK-X	DIGI TRANSISTOR		
Q624	2SA1037AK/QR/-X	TRANSISTOR		
D361	MA111-X	SI DIODE		
D362	MA111-X	SI DIODE		
D371	MA111-X	SI DIODE		
D372	MA111-X	SI DIODE		
D381	MA111-X	SI DIODE		
D382	MA111-X	SI DIODE		
D391	MA111-X	SI DIODE		
D392	MA111-X	SI DIODE		
D401	MA8030/H/-X	Z DIODE		
D421	MA8150/M/-X	Z DIODE		
D422	MA111-X	SI DIODE		
D561	MA3068/M/-X	Z DIODE		
D562	MA111-X	SI DIODE		
D601	MA3330/L/-X	Z DIODE		
D602	MA3330/L/-X	Z DIODE		
D603	MA3330/L/-X	Z DIODE		
D604	MA111-X	SI DIODE		
D606	MA111-X	SI DIODE		
D607	MA111-X	SI DIODE		
D608	MA111-X	SI DIODE		
D609	MA111-X	SI DIODE		
D610	MA111-X	SI DIODE		
D611	MA3330/L/-X	Z DIODE		
D612	MA3330/L/-X	Z DIODE		
D613	MA3330/L/-X	Z DIODE		
D614	MA111-X	SI DIODE		
D615	MA111-X	SI DIODE		
D616	MA111-X	SI DIODE		
D617	MA111-X	SI DIODE		
D618	MA111-X	SI DIODE		
D619	MA111-X	SI DIODE		
D620	MA111-X	SI DIODE		
D621	MA111-X	SI DIODE		
D622	MA111-X	SI DIODE		
D623	MA111-X	SI DIODE		
D624	MA111-X	SI DIODE		
D625	MA111-X	SI DIODE		
D626	MA111-X	SI DIODE		
D627	MA111-X	SI DIODE		
D629	MA111-X	SI DIODE		
D771	MA3056/M/-X	Z DIODE		
D772	MA3056/M/-X	Z DIODE		
D773	MA3056/M/-X	Z DIODE		
D774	MA3056/M/-X	Z DIODE		
D901	1SR35-400A-T5	SI DIODE		
D902	RK34-LFC4	SB DIODE		
D903	SF5S4	SB DIODE		
D904	SF5S4	SB DIODE		
D905	PTZ6.8B-X	Z DIODE		
D906	MA111-X	SI DIODE		
D991	MA111-X	SI DIODE		
D992	MA111-X	SI DIODE		
D993	MA111-X	SI DIODE		
D994	MA111-X	SI DIODE		
D995	MA111-X	SI DIODE		
D996	MA111-X	SI DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C005	QETN1AM-228Z	E CAPACITOR	2200uF 10V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C010	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C013	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C014	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C107	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C108	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C111	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C112	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C113	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C117	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C118	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C123	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Ref No.	Part No.	Part Name	Description	Local
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C203	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C206	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C207	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C208	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C303	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C305	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C306	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C317	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C318	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C319	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C321	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C322	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C324	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C325	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C326	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C327	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C328	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C329	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C330	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C331	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C341	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C342	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C343	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C344	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C345	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C346	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C347	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C351	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C352	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C353	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C354	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C355	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C364	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C367	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C371	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C376	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C381	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C391	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C404	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C405	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C406	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C407	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C421	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C431	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C432	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C433	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C434	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C435	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C437	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C438	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C439	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C551	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C552	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C553	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C554	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C555	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C560	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C571	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C572	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C573	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C575	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C576	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C602	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C603	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C604	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C611	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C612	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C613	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C614	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C616	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C617	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C618	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C619	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C621	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C629	QETM1EM-338	E CAPACITOR	3300uF 25V M	
C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C631	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C633	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C634	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C635	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C643	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C644	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C645	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C646	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C647	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C648	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C651	QETN1HM-336Z	E CAPACITOR	33uF 50V M	
C653	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C654	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C711	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C715	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C901	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C903	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C905	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C906	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C907	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C909	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C911	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C912	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C914	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C916	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C917	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C918	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C919	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C920	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C921	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C922	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C923	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C924	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C927	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R002	NRSA63J-101X	MG RESISTOR	100W 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100W 1/16W J	
R004	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R006	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R007	NRSA63J-222X	MG RESISTOR	2.2kW 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kW 1/16W J	
R009	NRSA63J-102X	MG RESISTOR	1kW 1/16W J	
R012	NRSA63J-473X	MG RESISTOR	47kW 1/16W J	
R013	NRSA63J-473X	MG RESISTOR	47kW 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kW 1/16W J	
R102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R205	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R215	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R306	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R308	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R309	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R314	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R315	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R316	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R321	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R322	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R324	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R325	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R326	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R327	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R328	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R337	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R338	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R339	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R342	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R343	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R344	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R345	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R347	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R348	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R349	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R350	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R351	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R352	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R353	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R354	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R355	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R356	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R357	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R361	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R362	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R363	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R364	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R365	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R366	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R367	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R368	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R369	NRVA63D-272X	CMF RESISTOR	2.7kΩ 1/16W D	
R370	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R371	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R372	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R373	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R375	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R376	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R381	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R382	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R383	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R385	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R386	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R391	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R392	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R393	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R395	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R396	NRVA63D-332X	CMF RESISTOR	3.3kΩ 1/16W D	
R401	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R402	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R408	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R410	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R411	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R412	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R413	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R416	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R417	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R418	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R421	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R551	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R552	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R553	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R554	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R555	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R556	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R557	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R558	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R559	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R560	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R561	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R563	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R564	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R565	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R566	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R567	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R568	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R571	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R572	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R573	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R574	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R575	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R576	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R577	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R578	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R579	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R580	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R581	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R582	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R583	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R584	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R585	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R601	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R602	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R603	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R605	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R613	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R616	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R618	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R619	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R624	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R625	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R627	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R628	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R629	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R637	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R638	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R639	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R640	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R643	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R646	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R649	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R650	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R652	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R653	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R654	QRL039J-101	OMF RESISTOR	100Ω 3W J	
R655	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R657	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R661	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R662	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R663	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R664	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R665	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R667	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R668	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R669	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R703	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R711	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R720	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R729	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R743	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R745	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R746	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R753	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R772	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R773	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R774	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R775	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R776	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R902	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R903	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R904	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R906	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R907	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R908	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R910	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R911	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R912	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R914	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R915	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R916	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R917	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R918	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R920	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R921	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
R922	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
L201	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L431	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L432	QQL26AK-100Z	COIL	10uH K	
L433	QQL26AK-100Z	COIL	10uH K	
L902	QQR1129-003	CHOKE COIL		
L903	QQL50AK-330Z	COIL	33uH K	
L905	QQR1127-003	CHOKE COIL		
L906	QQL26AK-220Z	COIL	22uH K	
L907	QQL26AK-820Z	COIL	82uH K	
L908	QQR1127-003	CHOKE COIL		
L909	QQL50AK-100Z	COIL	10uH K	
CN001	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN002	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN004	QGB1232J1-50	CONNECTOR	B-B (1-50)	
CN005	QGC2507C1-96	CONNECTOR	(1-96)	
CN006	QGB1505J1-25	CONNECTOR	B-B (1-25)	
CN007	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN008	QGB1505J1-25	CONNECTOR	B-B (1-25)	
CN018	QGB1505J1-25	CONNECTOR	B-B (1-25)	
K901	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K902	CE42050-001Z	BEADS CORE		
K903	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K904	CE42050-001Z	BEADS CORE		
TU001	QAU0270-001	TUNER		
X201	CSB503F30	C RESONATOR		

POWER & DEF P.W. BOARD ASS'Y (SMK-2001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC401	LA7876NZ	IC		
IC901	STR-F6668B-F7	IC		
IC951	SE-B3-LF12	IC		
Q401	2SC1740S/QR/-T	TRANSISTOR		
Q402	2SC1740S/QR/-T	TRANSISTOR		
Q461	2SC1959/Y/-T	TRANSISTOR		
Q462	2SA562TM/Y/-T	TRANSISTOR		
Q463	2SK2417	POWER MOS FET		
Q464	2SC1740S/QR/-T	TRANSISTOR		
Q501	2SC1740S/QR/-T	TRANSISTOR		
Q502	2SC1627A/Y/-T	TRANSISTOR		
Q521	2SB953/QP/-LB	POW TRANSISTOR		
⚠ Q522	2SC5904-RL	POW TRANSISTOR		
Q523	2SC1740S/QR/-T	TRANSISTOR		
Q551	2SK2771-01R-F1	POWER MOS FET		
Q553	2SC1959/Y/-T	TRANSISTOR		
Q554	2SA562TM/Y/-T	TRANSISTOR		
Q941	2SC1740S/QR/-T	TRANSISTOR		
Q942	2SA933AS/QR/-T	TRANSISTOR		
Q943	2SC1740S/QR/-T	TRANSISTOR		
Q951	2SA1371/EF/Z1-T	SI TRANSISTOR		
Q952	2SC1740S/QR/-T	TRANSISTOR		
Q953	2SC1627A/Y/-T	TRANSISTOR		
Q954	DTC124ESA-T	DIGI TRANSISTOR		
D401	RD100E/B/-T2	Z DIODE		
D402	1SR35-400A-T2	SI DIODE		
D403	1SR35-400A-T2	SI DIODE		
D404	1SS133-T2	SI DIODE		
D405	1SS133-T2	SI DIODE		
D406	MTZJ9.1B-T2	Z DIODE		
D407	MTZJ6.8C-T2	Z DIODE		
D461	EU2A-T3	SI DIODE		
D501	1SS133-T2	SI DIODE		
D521	RK14-T3	SB DIODE		
D522	V11CA-C1	SI DIODE		
D523	FMV-3FU-F1	SI DIODE		
D524	RG2A-LFC4	SI DIODE		
D525	1SS81-T5	SI DIODE		
D526	MTZJ12C-T2	Z DIODE		
D527	MTZJ15B-T2	Z DIODE		
D528	MTZJ15B-T2	Z DIODE		
D550	RU4DS-F1	SI DIODE		
D551	1SR124-400A-T2	SI DIODE		
D555	RU1P-T3	SI DIODE		
D556	1SR35-400A-T2	SI DIODE		
D557	MTZJ9.1B-T2	Z DIODE		
D701	RH1S-T3	SI DIODE		
D702	RGP10J-5025-T3	SI DIODE		
D703	RGP10J-5025-T3	SI DIODE		
D901	D3SB60	BRIDGE DIODE		
D902	RG1C-LFA1	SI DIODE		
D904	EU2A-T2	SI DIODE		
D905	EU2A-T2	SI DIODE		
D906	MTZJ27B-T2	Z DIODE		
D907	1SS133-T2	SI DIODE		
D908	MTZJ15B-T2	Z DIODE		
D911	1SS133-T2	SI DIODE		
D942	1SS133-T2	SI DIODE		
D944	1SS133-T2	SI DIODE		
D951	RU4B-F1	SI DIODE		
D952	RU4B-F1	SI DIODE		
D953	EU2-T3	SI DIODE		
D954	FMX-G12S	SI DIODE		
D955	RU3YX-LFC4	SI DIODE		
D956	FMX-G12S	SI DIODE		
D957	RU3YX-LFC4	SI DIODE		
D958	1SS133-T2	SI DIODE		
D959	MTZJ33B-T2	Z DIODE		
D960	MTZJ15B-T2	Z DIODE		
D961	1SS133-T2	SI DIODE		
D962	1SS133-T2	SI DIODE		
D963	1SS133-T2	SI DIODE		
D964	MTZJ5.1B-T2	Z DIODE		
D965	1SS133-T2	SI DIODE		
D966	1SS133-T2	SI DIODE		
D968	1SS133-T2	SI DIODE		
D969	1SS133-T2	SI DIODE		
C401	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C402	QFLC1HJ-392Z	M CAPACITOR	3900pF 50V J	
C403	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	
C404	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C406	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C407	QEHC1VM-107Z	E CAPACITOR	100uF 35V M	
C408	QEHC1VM-107Z	E CAPACITOR	100uF 35V M	
C409	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C412	QCB31HK-222Z	C CAPACITOR	2200pF 50V K	
C413	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C464	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J	
C501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C502	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C503	QEM61HK-225Z	E CAPACITOR	2.2uF 50V K	
C504	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C505	QCB32HK-391Z	C CAPACITOR	390pF 500V K	
C521	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	
⚠ C522	QFZ0122-512	MPP CAPACITOR	5100pF 1.8kV H	
⚠ C523	QFZ0122-622	MPP CAPACITOR	6200pF 1.8kV H	
⚠ C524	QFP32JJ-153	PP CAPACITOR	0.015uF 630V J	
C525	QFZ0197-335	MPP CAPACITOR	3.3uF 250V J	
C526	QFZ0128-823	MPP CAPACITOR	0.082uF DC400V H	
C527	QFZ0128-823	MPP CAPACITOR	0.082uF DC400V H	
C528	QFZ0197-104	MPP CAPACITOR	0.1uF 250V J	
C529	QCS32HJ-561	C CAPACITOR	560pF 500V J	
C530	QCZ0122-681	C CAPACITOR	680pF 2kV K	
C531	QCZ0122-681	C CAPACITOR	680pF 2kV K	
C532	QFLC2AJ-682Z	M CAPACITOR	6800pF 100V J	
C533	QCB31HK-682Z	C CAPACITOR	6800pF 50V K	
C534	QCS31HJ-470Z	C CAPACITOR	47pF 50V J	
C535	QFP42JJ-682	PP CAPACITOR	6800pF 630V J	
C536	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C551	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C552	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C554	QFZ0122-242	MPP CAPACITOR	2400pF 1.8kV H	
C556	QEZ0568-107	E CAPACITOR	100uF	
C557	QTMN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C558	QFVF1HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C559	QTMN1HM-105Z	E CAPACITOR	1uF 50V M	
C560	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C561	QTMN1HM-105Z	E CAPACITOR	1uF 50V M	
C701	QEZ0568-107	E CAPACITOR	100uF	
C702	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C703	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C704	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C705	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
⚠ C903	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C904	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C905	QCZ9054-472	C CAPACITOR	4700pF	
C906	QEZ0371-337	E CAPACITOR	330uF	
C907	QCB32HK-103	C CAPACITOR	0.01uF 500V K	
C908	QCZ0122-391	C CAPACITOR	390pF 2kV K	
C909	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C910	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C911	QCZ0122-561	C CAPACITOR	560pF 2kV K	
C912	QCB31HK-152Z	C CAPACITOR	1500pF 50V K	
C914	QCB31HK-471Z	C CAPACITOR	470pF 50V K	
⚠ C916	QFZ9075-473	MPP CAPACITOR	0.047uF	
C943	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C951	QCZ0325-821	C CAPACITOR	820pF	
C952	QEZ0568-107	E CAPACITOR	100uF	
C953	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C954	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C956	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C957	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C958	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C959	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C960	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C961	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C962	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C963	QFVF1HJ-684Z	MF CAPACITOR	0.68uF 50V J	
C964	QCB31HK-271Z	C CAPACITOR	270pF 50V K	
C966	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C967	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C968	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C969	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C970	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
⚠ C999	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
R401	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R402	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R403	QRA14CF-1002Y	CMF RESISTOR	10kΩ 1/4W F	
R404	QRE121J-180Y	C RESISTOR	18Ω 1/2W J	
R405	QRA14CF-6801Y	CMF RESISTOR	6.8kΩ 1/4W F	
R406	QRA14CF-6801Y	CMF RESISTOR	6.8kΩ 1/4W F	
R407	QRA14CF-3301Y	CMF RESISTOR	3.3kΩ 1/4W F	
R408	QRA14CF-8200Y	CMF RESISTOR	820Ω 1/4W F	
R409	QRA14CF-8200Y	CMF RESISTOR	820Ω 1/4W F	
R410	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R411	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R412	QRE121J-8R2Y	C RESISTOR	8.2Ω 1/2W J	
R414	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R415	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R416	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R417	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R418	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R419	QRE141J-154Y	C RESISTOR	150kΩ 1/4W J	
R461	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R462	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	
R463	QRL029J-333	OMF RESISTOR	33kΩ 2W J	
R464	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R465	QRL029J-102	OMF RESISTOR	1kΩ 2W J	
R466	QRL029J-820	OMF RESISTOR	82Ω 2W J	
R467	QRL029J-820	OMF RESISTOR	82Ω 2W J	
R468	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R469	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R470	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R501	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R502	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R503	QRE141J-820Y	C RESISTOR	82Ω 1/4W J	
R504	QRL039J-820	OMF RESISTOR	82Ω 3W J	
R505	QRL039J-101	OMF RESISTOR	100Ω 3W J	
R506	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R521	QRX029J-1R0	MF RESISTOR	1Ω 2W J	
R522	QRE121J-470Y	C RESISTOR	47Ω 1/2W J	
R523	QRL029J-100	OMF RESISTOR	10Ω 2W J	
R524	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R525	QRL029J-821	OMF RESISTOR	820Ω 2W J	
R526	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R527	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R528	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	
R529	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	
R530	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R531	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R532	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R533	QRF054J-470	UNF WW RESISTOR	47Ω 5W J	
R535	QRE141J-330Y	C RESISTOR	33Ω 1/4W J	
R537	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
⚠ R551	QRZ9017-4R7	FUSI RESISTOR	4.7Ω	
⚠ R552	QRA14CF-1502Y	CMF RESISTOR	15kΩ 1/4W F	
R555	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	
R557	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R558	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R564	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
R565	QRA14CF-1803Y	CMF RESISTOR	180kΩ 1/4W F	
R566	QRA14CF-2703Y	CMF RESISTOR	270kΩ 1/4W F	
R567	QRA14CF-2203Y	CMF RESISTOR	220kΩ 1/4W F	
R568	QRA14CF-5601Y	CMF RESISTOR	5.6kΩ 1/4W F	
⚠ R701	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J	
⚠ R702	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
⚠ R703	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
R704	QRG01GJ-220	OMF RESISTOR	22Ω 1W J	
R705	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	
R706	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J	
R901	QRF154K-4R7	UNF WW RESISTOR	4.7Ω 15W K	
R902	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R903	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R905	QRL039J-823	OMF RESISTOR	82kΩ 3W J	
R906	QRL039J-823	OMF RESISTOR	82kΩ 3W J	
R907	QRL039J-683	OMF RESISTOR	68kΩ 3W J	
⚠ R908	QRZ9017-2R2	FUSI RESISTOR	2.2Ω	
R909	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	
R911	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R912	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R913	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R914	QRT029J-R39	MF RESISTOR	0.39Ω 2W J	
R915	QRE121J-331Y	C RESISTOR	330Ω 1/2W J	
R944	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R945	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R946	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R947	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R951	QRL039J-681	OMF RESISTOR	680Ω 3W J	
R952	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J	
R953	QRA14CD-5602Y	CMF RESISTOR	56kΩ 1/4W D	
R954	QRA14CD-5602Y	CMF RESISTOR	56kΩ 1/4W D	
R955	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	
R956	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	
R958	QRL029J-561	OMF RESISTOR	560Ω 2W J	
R959	QRX029J-1R2	MF RESISTOR	1.2Ω 2W J	
R960	QRX029J-1R0	MF RESISTOR	1Ω 2W J	
R962	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	
R963	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R964	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R965	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R966	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R967	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R968	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R969	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R971	QRG01GJ-181	OMF RESISTOR	180Ω 1W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R972	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J	
R974	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R975	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	
R976	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R977	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
⚠ R999	QRZ9046-825Z	C RESISTOR	8.2MΩ	
L461	QQLZ030-801	COIL	800uH 2A K	
L521	QQL26AM-2R7Z	COIL	2.7uH M	
L522	QQL26AM-3R3Z	COIL	3.3uH M	
L523	QQR1230-001	CHOKE COIL		
L524	QQR1285-001	CHOKE COIL		
L525	QQR0915-002	LINEARITY COIL		
L553	QQLZ026-240	COIL	24uH ±7%	
L701	QQLZ028-272	COIL	2.7mH	
L903	QQR1200-003	CHOKE COIL		
L942	QQL26AK-220Z	COIL	22uH K	
L951	QQLZ026-460	COIL	46uH ±7%	
L952	QQL26AK-220Z	COIL	22uH K	
L953	QQLZ026-240	COIL	24uH ±7%	
T501	QQR1269-001	DRIVE TRANSF		
⚠ T551	QQH0149-001	FB TRANSF		
⚠ T701	QQR1365-001	DAF TRANSF		
⚠ T901	QQS0183-001	SW TRANSF		
⚠ PC901	PC123FY2	IC(PHOTO COUPLER)		
CN001	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN002	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN009	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN010	QGB1505J1-15	CONNECTOR	B-B (1-15)	
⚠ CP951	QMFZ034-4R0Z-J1	FUSE	4A 125V	
⚠ CP952	ICP-N75-Y	IC PROTECTOR	2.7A	
⚠ CP953	ICP-N38-Y	IC PROTECTOR	1.5A	
K401	QQR0621-002Z	FERRITE BEADS		
K521	QQR0679-001	FERRITE BEADS		
K522	QQR0679-001	FERRITE BEADS		
K551	QQR0679-001	FERRITE BEADS		
K901	QQR0679-001	FERRITE BEADS		
K955	QQR0621-002Z	FERRITE BEADS		
⚠ RY951	QSK0099-001	RELAY		
⚠ RY952	QSK0099-001	RELAY		
⚠ SG551	QAF0046-242Z	SURGE ABSORBER	2400V	
TH901	QAD0133-9R0	P THERMISTOR	9Ω	

CRT SOCKET P.W. BOARD ASS'Y (SMK-3001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC3101	TDA6120Q/N2	IC	Video Out Amp	
IC3201	TDA6120Q/N2	IC	Video Out Amp	
IC3301	TDA6120Q/N2	IC	Video Out Amp	
Q3701	2SC1906-T	TRANSISTOR		
Q3702	2SA1005/MLK/-T	TRANSISTOR		
Q3703	2SC1959/Y/-T	TRANSISTOR		
Q3704	2SA562TM/Y/-T	TRANSISTOR		
Q3705	2SJ584LS-CB11	POWER MOS FET		
Q3706	2SK2417	POWER MOS FET		
D3009	RM2C-LFA1	SI DIODE		
D3101	1SS244-T2	SI DIODE		
D3102	1SR124-400A-T2	SI DIODE		
D3103	MA8100/M/-X	Z DIODE		
D3105	1SS244-T2	SI DIODE		
D3106	1SS244-T2	SI DIODE		
D3201	1SS244-T2	SI DIODE		
D3202	1SR124-400A-T2	SI DIODE		
D3203	MA8100/M/-X	Z DIODE		
D3205	1SS244-T2	SI DIODE		
D3206	1SS244-T2	SI DIODE		
D3207	MA8100/M/-X	Z DIODE		
D3301	1SS244-T2	SI DIODE		
D3302	1SR124-400A-T2	SI DIODE		
D3303	MA8100/M/-X	Z DIODE		
D3305	1SS244-T2	SI DIODE		
D3306	1SS244-T2	SI DIODE		
D3701	1SS355-X	SI DIODE		
D3702	RH1S-T3	SI DIODE		
D3703	RH1S-T3	SI DIODE		
C3001	QETM2EM-476	E CAPACITOR	47uF 250V M	
C3002	QETM2EM-476	E CAPACITOR	47uF 250V M	
C3004	QETN1CM-476Z	E CAPACITOR	47uF 16V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
⚠ C3009	QFZ9027-103	MM CAPACITOR	0.01uF 1000V K	
C3011	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3103	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3105	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3106	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3110	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3112	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3113	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3114	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3115	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3201	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3202	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3203	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3205	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3206	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3210	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3212	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3213	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3214	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3215	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3302	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3303	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3305	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3306	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3310	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3312	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3313	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3314	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3315	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3703	NCF21HZ-104X	C CAPACITOR	0.1uF 50V Z	
C3704	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3707	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3708	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3709	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3710	QETN2CM-226Z	E CAPACITOR	22uF 160V M	
C3711	QETN2CM-226Z	E CAPACITOR	22uF 160V M	
C3712	QFLC1HJ-222Z	M CAPACITOR	2200pF 50V J	
C3713	QFLC1HJ-222Z	M CAPACITOR	2200pF 50V J	
C3716	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C3717	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3718	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3719	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3720	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
R3009	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R3010	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	
R3011	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R3012	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R3028	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3029	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R3040	QVP0038-206	TRIM RESISTOR	20MΩ	
R3101	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3102	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3103	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3104	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3105	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3107	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3110	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3201	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3202	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3203	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3204	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3205	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3207	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3210	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3212	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3301	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3302	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3303	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3304	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3305	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3307	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3310	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R3312	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3702	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3704	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3705	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R3706	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3707	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3710	QRJ146J-182X	UNF C RESISTOR	1.8kΩ 1/4W J	
R3711	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R3712	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
⚠ R3713	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R3714	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R3715	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R3716	QRT029J-8R2	MF RESISTOR	8.2Ω 2W J	
R3719	QRG01GJ-180	OMF RESISTOR	18Ω 1W J	
R3720	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3721	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3722	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R3723	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3725	QRL039J-220	OMF RESISTOR	22Ω 3W J	
L3001	QQL26AJ-102Z	COIL	1mH J	
L3002	QQL26AJ-102Z	COIL	1mH J	
L3003	QQL26AJ-102Z	COIL	1mH J	
L3004	QQL26AJ-102Z	COIL	1mH J	
L3011	QQR0621-002Z	FERRITE BEADS		
L3012	QQR0621-002Z	FERRITE BEADS		
L3101	QQL244K-3R3Z	COIL	3.3uH K	
L3201	QQL244K-3R3Z	COIL	3.3uH K	
L3301	QQL244K-3R3Z	COIL	3.3uH K	
⚠ FR3101	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
⚠ FR3201	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
⚠ FR3301	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
K3701	CE41492-001Z	CHOKE COIL		
K3702	CE42050-001Z	BEADS CORE		
SG3101	QAF0056-501Z	SURGE ABSORBER	500V M	
SG3201	QAF0056-501Z	SURGE ABSORBER	500V M	
SG3301	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠ SK3001	QNZ0464-001	CRT SOCKET		

FRONT CONTROL P.W. BOARD ASS'Y(SMK-8001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC8851	GP1U281Q	IR DETECT UNIT	38kHz	
Q8801	DTA124EKA-X	DIGI TRANSISTOR		
Q8802	DTA124EKA-X	DIGI TRANSISTOR		
Q8803	DTC124EKA-X	DIGI TRANSISTOR		
D8801	SPR-39MVWF	LED	POWER(RED-GREEN)	
D8811	MA111-X	SI DIODE		
D8851	MA3068/M/-X	Z DIODE		
C8851	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8852	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠ C8901	QFZ9075-474	MPP CAPACITOR	0.47uF	
R8801	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8802	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R8851	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
⚠ F8901	QMF51D2-3R15J1	FUSE	3.15A AC250V	
⚠ LF8901	QQR1095-001	LINE FILTER		
⚠ S8901	QSW0824-001	PUSH SWITCH	MAIN POWER	
FC8901	CEMG002-001Z	FUSE CLIP		
FC8902	CEMG002-001Z	FUSE CLIP		
OT0001	LC30349-001A-H	LED HOLDER		

SIDE CONTROL P.W. BOARD ASS'Y (SMK-8101A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
D8001	MA3039/H/-X	Z DIODE		
C8001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8003	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8310	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8311	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R8001	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R8002	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R8010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8012	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
L8001	QQR0716-001Z	FERRITE BEADS		
L8002	QQL244K-5R6Z	COIL	5.6uH K	
L8003	QQL244K-5R6Z	COIL	5.6uH K	
L8310	QQL244K-270Z	COIL	27uH K	
L8311	QQL244K-270Z	COIL	27uH K	
L8312	QQR0716-001Z	FERRITE BEADS		
J8001	QMS3001-C01	3.5 JACK	HEADPHONE	
J8303	QNZ0438-001	AV JACK	EXT-4	
S8001	QSW0619-003Z	TACT SWITCH	CH UP	
S8002	QSW0619-003Z	TACT SWITCH	MENU	
S8003	QSW0619-003Z	TACT SWITCH	CH DOWN	

LINE FILTER P.W. BOARD ASS'Y (SMK-9001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
⚠ IC9931	QAL0425-001	POWER MODULE		
IC9932	MM1565AF-X	IC	5.0V Regulator	
D9931	S1WB/A/60-4101	BRIDGE DIODE		
D9941	MA111-X	SI DIODE		
⚠ C9901	QFZ9075-104	MPP CAPACITOR	0.1uF	
⚠ C9902	QFZ9075-473	MPP CAPACITOR	0.047uF	
⚠ C9931	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C9932	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C9933	QCZ9054-472	C CAPACITOR	4700pF	
C9934	QETM2GM-226	E CAPACITOR	22uF 400V M	
C9941	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C9942	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C9943	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9944	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9945	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
⚠ C9991	QCZ9079-471	C CAPACITOR	470pF AC250V K	
R9931	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω	
R9941	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	
R9942	QRE121J-1R5Y	C RESISTOR	1.5Ω 1/2W J	
R9943	QRE121J-1R8Y	C RESISTOR	1.8Ω 1/2W J	
L9941	QQL26AM-4R7Z	COIL	4.7uH M	
⚠ LF9901	QQR1095-003	LINE FILTER		

DOLBY P.W. BOARD ASS'Y (SMK-0D001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	TC9446F-014	IC		
IC102	TC4066BF/N/-XE	IC		
IC105	AK4527BVQP	IC		
IC107	TA48M033F-X	IC	3.3V Regulator	
IC108	TC7SET32F-X	IC(DIGITAL)		
IC109	UPD784216AGC180	IC(MCU)		
IC110	S-80828CNNB-W	IC		
IC111	TA48M033F-X	IC	3.3V Regulator	
IC112	IS63LV1024-15T	IC		
IC113	TC7WHU04FU-X	IC	INVERTER	
IC201	BA4558F-X	IC		
IC202	BA4558F-X	IC		
IC203	BA4558F-X	IC		
IC301	BA4558F-X	IC		
IC302	BA4558F-X	IC		
IC303	BA4558F-X	IC		
IC401	TC4066BF/N/-XE	IC		
IC402	NJM5532M-D-XE	IC		
IC403	NJM5532M-D-XE	IC		
IC404	BA4558F-X	IC		
IC601	BD3869AF-X	IC		
IC631	BD3869AF-X	IC		
IC651	BD3869AF-X	IC		

⚠ Ref No.	Part No.	Part Name	Description	Local
IC701	TC4066BF/N/-XE	IC		
IC702	TC4066BF/N/-XE	IC		
IC703	BA4558F-X	IC		
IC704	BA4558F-X	IC		
Q101	DTA124EKA-X	DIGI TRANSISTOR		
Q102	DTC124EKA-X	DIGI TRANSISTOR		
Q103	DTC124EKA-X	DIGI TRANSISTOR		
Q401	DTC124EKA-X	DIGI TRANSISTOR		
Q402	DTC124EKA-X	DIGI TRANSISTOR		
Q403	DTC144EKA-X	DIGI TRANSISTOR		
Q404	DTC144EKA-X	DIGI TRANSISTOR		
Q405	DTC144EKA-X	DIGI TRANSISTOR		
Q501	DTC124EKA-X	DIGI TRANSISTOR		
Q502	DTC124EKA-X	DIGI TRANSISTOR		
Q701	DTC124EKA-X	DIGI TRANSISTOR		
Q702	DTC323TK-X	DIGI TRANSISTOR		
Q703	DTC323TK-X	DIGI TRANSISTOR		
Q704	DTC323TK-X	DIGI TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q706	2SA1037AK/QR/-X	TRANSISTOR		
Q707	DTC323TK-X	DIGI TRANSISTOR		
Q708	DTC323TK-X	DIGI TRANSISTOR		
Q709	2SA1037AK/QR/-X	TRANSISTOR		
Q710	DTC323TK-X	DIGI TRANSISTOR		
Q711	DTC144EKA-X	DIGI TRANSISTOR		
Q712	DTC144EKA-X	DIGI TRANSISTOR		
Q713	DTC144EKA-X	DIGI TRANSISTOR		
D101	MA111-X	SI DIODE		
D102	MA111-X	SI DIODE		
D103	MA111-X	SI DIODE		
D104	MA111-X	SI DIODE		
D201	MA3091/M/-X	Z DIODE		
D301	MA3091/M/-X	Z DIODE		
D401	MA3091/M/-X	Z DIODE		
D402	MA111-X	SI DIODE		
D701	MA3150/M/-X	Z DIODE		
D702	MA3150/M/-X	Z DIODE		
D703	MA111-X	SI DIODE		
D704	MA111-X	SI DIODE		
D705	MA111-X	SI DIODE		
D706	MA111-X	SI DIODE		
D707	MA3150/M/-X	Z DIODE		
D708	MA111-X	SI DIODE		
C101	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C102	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C105	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C107	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C113	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C114	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C117	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C118	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C119	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C121	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C122	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C123	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C124	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C125	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C129	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C130	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C132	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C133	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C134	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C137	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C139	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C140	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C141	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C145	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C146	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠ Ref No.	Part No.	Part Name	Description	Local
C149	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C150	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C201	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C202	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C203	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C204	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C207	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C208	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C209	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C210	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C211	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C213	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C214	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C215	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C216	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C218	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C219	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C220	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C221	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C223	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C224	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C225	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C226	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C227	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C228	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C229	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C230	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C301	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C303	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C304	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C305	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C306	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C307	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C308	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C309	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C310	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C311	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C312	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C313	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C314	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C315	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C316	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C317	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C318	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C319	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C403	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C405	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C406	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C407	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C408	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C409	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C410	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C412	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C413	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C414	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C415	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C417	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C441	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C442	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C443	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C444	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C551	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C553	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C554	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C555	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C556	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C559	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C601	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C604	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C606	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C607	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C612	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C613	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C631	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C632	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C633	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C634	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C637	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C638	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C651	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C652	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C653	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C654	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C655	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C656	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C657	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C660	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C701	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C702	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C703	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C704	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C705	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C706	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C707	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C708	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C709	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C710	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C711	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C714	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C715	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C716	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C717	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C719	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C720	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C724	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C725	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C726	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C727	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C729	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C730	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C731	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C732	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C733	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C734	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C735	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C736	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C737	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
R101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R102	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R106	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R107	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R112	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R117	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R118	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R122	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R125	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R126	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R127	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R128	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R129	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R130	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R131	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R133	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R134	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R135	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R136	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R137	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R138	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R139	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R140	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R141	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R144	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R145	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R148	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R149	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R162	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R164	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R201	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R202	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R203	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R206	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R207	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R209	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R210	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R211	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R215	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R216	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R217	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R220	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R224	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R304	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R305	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R306	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R311	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R312	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R314	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R316	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R317	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R318	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R319	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R320	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R324	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R325	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R326	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R327	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R328	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R331	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R409	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R411	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R413	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R416	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R417	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R418	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R419	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R420	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R421	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R422	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R423	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R424	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R425	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R426	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R427	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R428	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R430	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R431	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R432	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R433	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R437	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R438	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R439	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R440	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R441	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R442	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R601	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R602	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R603	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R604	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R605	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R606	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R631	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R632	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R633	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R634	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R651	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R652	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R653	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R654	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R655	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R656	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R657	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R706	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R707	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R709	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R710	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R711	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R714	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R715	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R716	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R717	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R718	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R720	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R722	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R723	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R724	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R726	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R727	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R728	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R729	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R730	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R731	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R732	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R733	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R734	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R737	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R740	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R741	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R743	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R744	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R745	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R746	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R748	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R750	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R752	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R753	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
L101	NQL085J-4R7X	COIL	4.7uH J	
L551	NQL085J-4R7X	COIL	4.7uH J	
L552	NQL034K-4R7X	COIL	4.7uH K	
L701	NQL085J-100X	COIL	10uH J	
L702	NQL085J-100X	COIL	10uH J	
L703	NQL085J-100X	COIL	10uH J	
CN008	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN018	QGB1505K1-25	CONNECTOR	B-B (1-25)	
J001	QNN0281-004	PIN JACK	DIGITAL AUDIO IN	
J002	QNZ0523-001	OPT CONNECTOR	DIGITAL AUDIO IN	
J003	QNN0427-001	PIN JACK	AUDIO OUT	
J004	QNB0006-002	PUSH TERMINAL	SURROUND REAR	
LC101	NQR0313-009X	EMI FILTER		
LC102	NQR0313-009X	EMI FILTER		
LC103	NQR0313-009X	EMI FILTER		
LC105	NQR0313-009X	EMI FILTER		
LC106	NQR0313-009X	EMI FILTER		
LC107	NQR0313-009X	EMI FILTER		
LC108	NQR0313-009X	EMI FILTER		
LC109	NQR0313-009X	EMI FILTER		
LC111	NQR0313-009X	EMI FILTER		
X101	NAX0385-001X	CRYSTAL	24.576MHz	
X102	NAX0473-001X	C RESONATOR	6.144MHz	

EHT P.W. BOARD ASS'Y (SMK-0E001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC2501	TLC555ID-X	IC		
IC2502	BA15218F-XE	IC		
IC2503	BA10339F-X	IC		
Q2501	2SC2412K/QR/-X	TRANSISTOR		
Q2502	2SA1037AK/QR/-X	TRANSISTOR		
Q2503	2SA1037AK/QR/-X	TRANSISTOR		
Q2504	2SC2412K/QR/-X	TRANSISTOR		
Q2505	2SC2412K/QR/-X	TRANSISTOR		
D2501	MA3120/M/-X	Z DIODE		
D2502	MA3056/M/-X	Z DIODE		
D2503	MA111-X	SI DIODE		
D2504	MA111-X	SI DIODE		
D2505	MA111-X	SI DIODE		
D2506	MA111-X	SI DIODE		
D2507	MA111-X	SI DIODE		
D2508	MA111-X	SI DIODE		
D2509	MA111-X	SI DIODE		
D2510	MA111-X	SI DIODE		
D2511	MA3150/M/-X	Z DIODE		
D2512	MA111-X	SI DIODE		
C2501	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2502	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2503	NDC21HJ-681X	C CAPACITOR	680pF 50V J	
C2505	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C2506	NCB21HK-272X	C CAPACITOR	2700pF 50V K	
C2507	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
C2508	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
C2509	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2512	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
C2513	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2514	QENC1CM-476Z	BP E CAPACITOR	47uF 16V M	
C2515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2517	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2518	NDC21HJ-151X	C CAPACITOR	150pF 50V J	
R2501	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2503	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2504	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2506	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R2507	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R2508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2509	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2511	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D	
R2512	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2513	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2514	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2515	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2516	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D	
R2517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2518	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2519	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2520	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2521	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2522	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2523	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2524	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2525	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2526	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2527	NRVA63D-224X	CMF RESISTOR	220kΩ 1/16W D	
R2528	QVP0086-204Z	TRIM RESISTOR	200kΩ	

⚠ Ref No.	Part No.	Part Name	Description	Local
R2529	NRVA63D-224X	CMF RESISTOR	220kΩ 1/16W D	
R2530	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2532	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2533	QVP0086-502Z	TRIM RESISTOR	5kΩ	
R2534	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
R2537	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2538	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CN2010	QGB1505K1-15	CONNECTOR	B-B (1-15)	

DEF OSC P.W. BOARD ASS'Y (SMK-0H001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC0101	LA7860M-X	IC		
IC0102	BA12FP-X	IC	12V Regulator	
IC0161	AN5441SA-W	IC		
IC0163	TA78L005AP-T	IC		
IC0164	BA9756FS-X	IC		
IC0212	CXA1875AM-X	IC		
Q0101	2SC2412K/QR/-X	TRANSISTOR		
Q0102	2SC2412K/QR/-X	TRANSISTOR		
Q0103	2SC2412K/QR/-X	TRANSISTOR		
Q0131	2SC2412K/QR/-X	TRANSISTOR		
Q0132	2SC2412K/QR/-X	TRANSISTOR		
Q0135	2SC2412K/QR/-X	TRANSISTOR		
Q0751	2SC2412K/QR/-X	TRANSISTOR		
Q0752	2SC2412K/QR/-X	TRANSISTOR		
Q0753	2SC4632	POW TRANSISTOR		
Q0754	2SC2412K/QR/-X	TRANSISTOR		
D0163	MA111-X	SI DIODE		
D0222	UDZS6.2B-X	Z DIODE		
D0223	UDZS6.2B-X	Z DIODE		
D0751	ES1F-LFG2	SI DIODE		
D0752	ES1F-LFG2	SI DIODE		
C0102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0104	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C0106	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0107	NDC21HJ-122X	C CAPACITOR	1200pF 50V J	
C0108	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C0109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0110	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C0111	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C0112	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C0113	NDC21HJ-122X	C CAPACITOR	1200pF 50V J	
C0114	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0115	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0117	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C0118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0119	QEKC1EM-476Z	E CAPACITOR	47uF 25V M	
C0120	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C0121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0131	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C0132	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C0133	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C0134	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C0135	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0136	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0137	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0138	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0161	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C0162	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0163	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C0164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0168	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0169	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0170	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0171	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C0172	QFVF1HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C0173	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C0175	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C0177	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0178	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0179	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0181	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0182	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0186	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C0187	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C0188	NDC21HJ-821X	C CAPACITOR	820pF 50V J	
C0190	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C0212	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0751	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C0752	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C0753	QFZ0122-752	MPP CAPACITOR	7500pF 1.8kV H	
C0754	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C0761	QFZ0122-682	MPP CAPACITOR	6800pF 1.8kV H	
R0101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0103	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0105	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R0106	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R0107	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R0110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R0111	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R0112	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R0113	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D	
R0114	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0116	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R0117	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0118	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0120	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R0121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0122	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
⚠ R0123	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R0124	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0129	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R0131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0133	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0134	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R0135	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0139	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R0140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0143	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0161	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0162	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0163	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0164	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0173	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R0174	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R0175	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R0177	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R0178	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0179	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D	
R0180	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R0183	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0186	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0187	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0188	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R0190	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R0192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0217	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0223	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0224	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0751	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R0752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0753	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0754	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0755	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0756	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R0757	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R0758	QRZ0056-102Z	COMP RESISTOR	1kΩ 1/2W K	
R0759	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0761	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0762	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0763	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0764	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0765	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R0769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L0101	QQL01BK-470Z	P COIL	47uH K	
L0103	NQL092K-100X	P COIL	10uH K	
L0104	NQL092K-100X	P COIL	10uH K	
L0105	QQL01BK-101Z	P COIL	100uH K	
T0751	QQR1096-001	DEF TRANSF		
CN0009	QGB1505K1-35	CONNECTOR	B-B (1-35)	

MICOM P.W. BOARD ASS'Y (SMK-0M001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC		
IC002	S-80828CNNB-W	IC		
IC003	K4S641632F-TC75	IC(DIGITAL)		
IC004	MBV160-32D25EUW	IC(MICRO C ROM)	(SERVICE)	
IC901	TA48M025F-X	IC	2.5V Regulator	
IC902	TA48M033F-X	IC	3.3V Regulator	
Q001	2SC2712/YG/-X	TRANSISTOR		
Q002	2SC2712/YG/-X	TRANSISTOR		
Q003	2SC2712/YG/-X	TRANSISTOR		
Q007	2SA1162/YG/-X	TRANSISTOR		
Q008	2SA1162/YG/-X	TRANSISTOR		
Q009	2SC2712/YG/-X	TRANSISTOR		
Q010	2SC2712/YG/-X	TRANSISTOR		
Q011	2SC2712/YG/-X	TRANSISTOR		
Q012	2SC2712/YG/-X	TRANSISTOR		
Q013	2SK1374-X	MOS FET		
Q014	2SK1374-X	MOS FET		
Q015	2SK1374-X	MOS FET		
Q016	2SK1374-X	MOS FET		
Q021	2SC2712/YG/-X	TRANSISTOR		
Q022	2SC2712/YG/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	MA3056/M/-X	Z DIODE		
D006	MA3056/M/-X	Z DIODE		
D007	MA3056/M/-X	Z DIODE		
D008	MA3056/M/-X	Z DIODE		
C001	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C004	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C007	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C008	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C014	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C025	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠ Ref No.	Part No.	Part Name	Description	Local
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C060	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R019	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R097	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R099	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R100	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R119	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R120	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R121	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R131	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R132	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R151	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R152	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R153	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R154	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R160	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R161	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R166	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R180	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R181	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R182	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
L001	NQL092K-4R7X	P COIL	4.7uH K	
L003	NQL092K-4R7X	P COIL	4.7uH K	
L005	NQL092K-4R7X	P COIL	4.7uH K	
L006	NQL092K-4R7X	P COIL	4.7uH K	
L007	NQL092K-4R7X	P COIL	4.7uH K	
L008	NQL092K-4R7X	P COIL	4.7uH K	
L009	NQL034K-4R7X	COIL	4.7uH K	
L010	NQL092K-4R7X	P COIL	4.7uH K	
L011	NQL092K-4R7X	P COIL	4.7uH K	
L012	NQL092K-4R7X	P COIL	4.7uH K	
L013	NQL092K-4R7X	P COIL	4.7uH K	
L014	NQL092K-4R7X	P COIL	4.7uH K	
L015	NQL034K-4R7X	COIL	4.7uH K	
L016	NQL034K-4R7X	COIL	4.7uH K	
L017	NQL092K-1R5X	P COIL	1.5uH K	
L018	NQL092K-1R5X	P COIL	1.5uH K	
L019	NQL092K-1R5X	P COIL	1.5uH K	
L020	NQL092K-1R5X	P COIL	1.5uH K	
L021	NQL092K-1R5X	P COIL	1.5uH K	
L022	NQL092K-1R5X	P COIL	1.5uH K	
CN004	QGB1232K1-50T	CONNECTOR	B-B (1-50)	
K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
K002	NQR0389-003X	FERRITE BEADS		
K003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K004	NQR0389-003X	FERRITE BEADS		
LC001	NQR0313-007X	EMI FILTER		
LC002	NQR0431-001X	EMI FILTER		
X001	QAX0669-001Z	CRYSTAL	6.000MHz	

AV SW P.W. BOARD ASS'Y (SMK-0S001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	CXA2069Q	IC	AV SW (I2C)	
IC501	MSP3415DQGB3GHX	IC		
IC662	BA4558F-X	IC		
IC901	AN77L08-T	IC		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SA1037AK/QR/-X	TRANSISTOR		
Q104	DTC323TK-X	DIGI TRANSISTOR		
Q105	DTC323TK-X	DIGI TRANSISTOR		
Q106	2SC1740S/QR/-T	TRANSISTOR		
Q131	2SA933AS/QR/-T	TRANSISTOR		
Q136	DTC323TK-X	DIGI TRANSISTOR		
Q137	DTC323TK-X	DIGI TRANSISTOR		
Q138	2SA1037AK/QR/-X	TRANSISTOR		
Q201	2SC2412K/QR/-X	TRANSISTOR		
Q202	2SC2412K/QR/-X	TRANSISTOR		
Q211	2SC2412K/QR/-X	TRANSISTOR		
Q212	2SC2412K/QR/-X	TRANSISTOR		
Q221	2SC2412K/QR/-X	TRANSISTOR		
Q222	2SC2412K/QR/-X	TRANSISTOR		
Q231	2SC2412K/QR/-X	TRANSISTOR		
Q232	2SC2412K/QR/-X	TRANSISTOR		
Q301	2SC2412K/QR/-X	TRANSISTOR		
Q311	2SC2412K/QR/-X	TRANSISTOR		
Q321	2SC2412K/QR/-X	TRANSISTOR		
Q502	2SC2412K/QR/-X	TRANSISTOR		
Q503	DTC144EKA-X	DIGI TRANSISTOR		
Q601	DTC323TK-X	DIGI TRANSISTOR		
Q602	DTC323TK-X	DIGI TRANSISTOR		
Q603	2SA1037AK/QR/-X	TRANSISTOR		
D101	MA3056/M/-X	Z DIODE		
D102	MA3056/M/-X	Z DIODE		
D103	MA3056/M/-X	Z DIODE		
D104	MA3056/M/-X	Z DIODE		
D111	MA3056/M/-X	Z DIODE		
D112	MA3056/M/-X	Z DIODE		
D113	MA3056/M/-X	Z DIODE		
D114	MA3039/H/-X	Z DIODE		
D131	MA3120/M/-X	Z DIODE		
D161	MA3120/M/-X	Z DIODE		
D162	MA3120/M/-X	Z DIODE		
D163	MA3120/M/-X	Z DIODE		
D164	MA3120/M/-X	Z DIODE		
D681	MA3150/M/-X	Z DIODE		
D682	MA3150/M/-X	Z DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C006	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C011	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C105	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C106	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C107	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C112	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C114	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C115	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C116	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C117	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C122	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C124	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C125	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C131	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C132	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C133	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C141	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C142	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C144	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C145	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C146	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C147	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C148	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C150	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C151	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C152	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C153	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C162	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C163	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C164	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C165	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C168	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C169	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C170	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C171	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C172	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C173	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C174	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C175	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C176	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C177	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C178	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C181	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C182	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C183	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C184	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C185	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C190	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C213	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C214	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C321	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C331	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C341	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C342	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C343	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C344	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C512	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C514	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C515	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C517	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C518	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C519	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C520	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C521	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C523	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C526	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C527	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C528	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C529	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C530	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C531	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C533	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C535	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C611	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C612	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C671	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C672	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C673	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C678	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C679	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C681	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C683	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R104	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R106	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R108	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R109	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R114	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R115	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R116	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R117	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R118	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R127	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R129	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R131	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	
R132	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	
R133	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R135	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R136	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R137	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R138	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R157	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R160	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R161	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R164	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R165	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R166	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R167	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R168	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R169	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R170	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R171	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R172	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R173	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R174	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R175	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R176	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R177	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R178	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R179	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R180	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R181	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R182	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R183	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	
R184	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R185	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R186	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R187	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R188	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R189	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R190	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R192	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R203	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R204	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R205	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R206	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R207	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R211	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R214	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R215	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R217	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R221	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R222	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R223	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R224	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R227	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R241	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R242	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R251	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R303	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R311	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R312	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R313	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R314	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R321	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R322	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R323	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R324	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R342	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R343	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R344	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R672	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R674	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R677	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R678	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R680	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R682	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R683	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R685	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R686	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
L503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L504	QQL244K-4R7Z	COIL	4.7uH K	
CN006	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN007	QGB1505K1-35	CONNECTOR	B-B (1-35)	
J001	QNZ0465-001	21P CONNECTOR	EXT-2/EXT-3	
J002	QNZ0463-001	21P CONNECTOR	EXT-1	
J003	QNN0349-002	PIN JACK	EXT-4(Y/Pb/Pr)	
J004	QNN0348-001	PIN JACK	EXT-4(LR)	
K101	CE42681-001Y	CHIP BEADS CORE		
K102	CE42681-001Y	CHIP BEADS CORE		
K103	CE42681-001Y	CHIP BEADS CORE		
K104	CE42681-001Y	CHIP BEADS CORE		
K105	QQR0716-001Z	FERRITE BEADS		
K501	NQR0389-003X	FERRITE BEADS		
K502	NQR0389-003X	FERRITE BEADS		
LC001	NQR0431-001X	EMI FILTER		
LC501	NQR0431-001X	EMI FILTER		
TU002	QAU0301-001	TUNER		
UD001	QAU0283-001	RF SPLITTER		
X501	CE42546-001Z	X TAL		

DIST P.W. BOARD ASS'Y (SMK-0Z001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC001	TC90A90FG	IC	(100pin)	
IC002	TC7WH34FU-X	IC	NON-INVERTER	
IC003	AD9883AKST-110	IC	(80pin)	
IC004	TC7WH34FU-X	IC	NON-INVERTER	
IC005	MSM514265E-60TS	IC		
IC006	R1170H331B-X	IC	Regulator	
IC101	TMS57128GJG	IC	(264pin)	
IC102	HY5DU643222AQ-5	IC	(80pin)	
IC103	MBV400TC90PFN20	IC(MICRO C ROM)		
IC104	TC7WH74FU-X	IC(DIGITAL)	FLIP FLOP	
IC105	TC7S08F-X	IC(DIGITAL)	NAND	
IC106	S-80828CLNB-W	IC		
IC107	LP3964EMP-ADJ-X	IC		
IC108	LP3964EMP-ADJ-X	IC		
IC201	JCC5054	IC	(256pin)	
IC203	R1170H151B-X	IC		
IC204	TK15452V-X	IC	3CH V Amp	
IC205	TC7WH34FU-X	IC	NON-INVERTER	
IC206	R1170H251B-X	IC		
IC207	BU2098F-X	IC		
IC208	TC7S66F-X	IC(DIGITAL)	BILATERAL SW	
IC209	TC7WH157FU-X	IC		
IC210	TLC2932IPW-X	IC		
IC214	TC7SET32FU-X	IC(DIGITAL)		
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
Q701	2SA1037AK/QR/-X	TRANSISTOR		
Q702	2SA1037AK/QR/-X	TRANSISTOR		
Q703	2SA1037AK/QR/-X	TRANSISTOR		
Q704	2SC2412K/QR/-X	TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q753	2SC2412K/QR/-X	TRANSISTOR		
Q754	2SC2412K/QR/-X	TRANSISTOR		
Q755	2SC2412K/QR/-X	TRANSISTOR		
Q756	2SA1037AK/QR/-X	TRANSISTOR		
Q757	2SC2412K/QR/-X	TRANSISTOR		
Q758	2SC2412K/QR/-X	TRANSISTOR		
Q759	2SC2412K/QR/-X	TRANSISTOR		
Q760	2SA1037AK/QR/-X	TRANSISTOR		
Q761	2SC2412K/QR/-X	TRANSISTOR		
Q762	2SC2412K/QR/-X	TRANSISTOR		
Q763	2SC2412K/QR/-X	TRANSISTOR		
Q764	IMX1-XW	PAIR TRANSISTOR		
Q801	2SA1037AK/QR/-X	TRANSISTOR		
Q802	2SA1037AK/QR/-X	TRANSISTOR		
Q853	2SC2412K/QR/-X	TRANSISTOR		
Q854	2SC2412K/QR/-X	TRANSISTOR		
Q855	2SC2412K/QR/-X	TRANSISTOR		
Q856	2SA1037AK/QR/-X	TRANSISTOR		
Q857	2SC2412K/QR/-X	TRANSISTOR		
Q858	2SC2412K/QR/-X	TRANSISTOR		
Q859	2SC2412K/QR/-X	TRANSISTOR		
Q860	2SA1037AK/QR/-X	TRANSISTOR		
Q861	2SC2412K/QR/-X	TRANSISTOR		
Q862	2SC2412K/QR/-X	TRANSISTOR		
Q863	2SC2412K/QR/-X	TRANSISTOR		
Q864	IMX1-XW	PAIR TRANSISTOR		
QB001	2SC2412K/QR/-X	TRANSISTOR		
QB002	2SC2412K/QR/-X	TRANSISTOR		
QB003	2SA1037AK/QR/-X	TRANSISTOR		
QB004	2SC2412K/QR/-X	TRANSISTOR		
QB005	2SC2412K/QR/-X	TRANSISTOR		
QB006	2SC2412K/QR/-X	TRANSISTOR		
QB007	2SA1037AK/QR/-X	TRANSISTOR		
QB008	2SC2412K/QR/-X	TRANSISTOR		
QB009	2SC2412K/QR/-X	TRANSISTOR		
QB010	2SC2412K/QR/-X	TRANSISTOR		

⚠ Ref No.	Part No.	Part Name	Description	Local
QB011	2SA1037AK/QR/-X	TRANSISTOR		
QB012	2SC2412K/QR/-X	TRANSISTOR		
QB020	2SK1374-X	MOS FET		
QB021	2SK1374-X	MOS FET		
QB101	2SC3837K/NP/-X	TRANSISTOR		
QB102	2SA1022/BC/-X	TRANSISTOR		
QB103	2SC3837K/NP/-X	TRANSISTOR		
QB104	2SA1022/BC/-X	TRANSISTOR		
QB105	2SC3837K/NP/-X	TRANSISTOR		
QB106	2SA1022/BC/-X	TRANSISTOR		
QB107	IMX1-XW	PAIR TRANSISTOR		
QB108	IMX1-XW	PAIR TRANSISTOR		
QB109	IMX1-XW	PAIR TRANSISTOR		
QB211	2SC3837K/NP/-X	TRANSISTOR		
QB212	IMX1-XW	PAIR TRANSISTOR		
QB231	2SC3837K/NP/-X	TRANSISTOR		
QB232	IMX1-XW	PAIR TRANSISTOR		
QB251	2SC3837K/NP/-X	TRANSISTOR		
QB252	IMX1-XW	PAIR TRANSISTOR		
QB271	2SC3837K/NP/-X	TRANSISTOR		
QB272	2SC3837K/NP/-X	TRANSISTOR		
QB273	2SC3837K/NP/-X	TRANSISTOR		
QB274	2SC3837K/NP/-X	TRANSISTOR		
QB275	2SC3837K/NP/-X	TRANSISTOR		
QB276	2SC3837K/NP/-X	TRANSISTOR		
QB277	2SA1022/BC/-X	TRANSISTOR		
DB201	MA111-X	SI DIODE		
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C711	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C717	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C719	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C723	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C726	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C728	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C751	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C752	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C753	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C767	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Ref No.	Part No.	Part Name	Description	Local
C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C786	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C790	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C791	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C795	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C828	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C851	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C852	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C854	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C867	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C868	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C871	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C872	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C879	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C880	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C881	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C885	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C886	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C887	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C888	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C889	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C890	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C893	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C895	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
CB001	NEH71CM-106X	E CAPACITOR	10uF 16V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
CB002	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
CB003	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
CB004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
CB005	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB007	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB008	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB009	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB011	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB012	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB013	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB021	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB022	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB023	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB025	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB029	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB034	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CB040	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
CB041	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB044	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB048	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB050	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB051	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB054	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB055	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB056	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB101	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB104	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB105	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB107	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB110	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB111	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB113	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB116	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB117	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB119	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB120	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB121	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB122	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
CB123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB125	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB126	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
CB127	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
CB128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB134	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB137	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB139	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB140	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB145	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB208	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB209	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB211	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB212	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB213	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB214	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB219	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB223	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB225	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB233	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB234	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB302	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB303	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB310	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB313	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
CB314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB330	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
CB331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB348	NEH71EM-336X	E CAPACITOR	33uF 25V M	
CB349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB359	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
CB360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB375	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB379	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB380	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB402	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠ Ref No.	Part No.	Part Name	Description	Local
CB409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB424	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB428	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB429	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB431	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB513	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB514	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB515	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB516	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB518	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB519	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB520	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB533	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB534	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB535	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB536	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB538	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB539	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB540	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB542	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB553	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB554	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB555	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB556	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB558	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB559	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB560	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB562	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB573	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
CB574	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
CB575	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB576	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB578	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB579	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CB580	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB581	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
CB582	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB601	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB602	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB603	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
CB604	NEH71HM-474X	E CAPACITOR	0.47uF 50V M	
CB611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB612	NEH71CM-106X	E CAPACITOR	10uF 16V M	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R710	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R711	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R712	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R713	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R714	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R715	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R723	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R727	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R751	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R752	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R755	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R759	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R766	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R768	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R769	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R770	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R771	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R772	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R776	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R780	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R781	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R782	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R787	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R790	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R794	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R795	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R798	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R799	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R810	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R811	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R812	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R813	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R814	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R815	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R851	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R852	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R853	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R854	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R865	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R866	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R867	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R868	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R869	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R870	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R871	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	

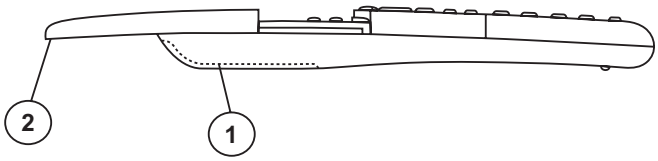
⚠ Ref No.	Part No.	Part Name	Description	Local
R872	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R875	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R876	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R877	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R878	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R879	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R880	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R881	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R882	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R887	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R890	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R893	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R899	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RA001	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA002	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA003	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA004	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA005	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA006	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA007	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA008	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA009	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA010	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA011	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA012	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA013	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA014	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA015	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA016	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA017	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA101	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA102	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA103	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA104	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA105	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA106	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA107	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA108	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA109	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA110	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA111	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA112	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA113	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA114	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA115	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA116	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA117	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA118	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA119	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA120	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA121	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA122	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA123	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA124	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA125	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA126	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA127	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA128	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA129	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA130	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA131	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA132	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA133	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA134	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA135	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA201	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
RA212	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA214	NRZ0040-102X	NET RESISTOR	1kΩ 1/16W J x4	
RB001	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB002	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB003	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB004	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB006	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB007	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
RB008	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB009	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB010	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB011	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB012	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB013	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB015	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB016	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB017	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB019	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB020	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB021	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB022	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB023	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB024	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB025	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB026	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB028	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB029	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB030	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB032	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB033	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB034	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB035	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB036	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB037	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB038	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB039	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB051	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB057	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB058	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
RB059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB061	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB062	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB066	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB107	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB108	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB111	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB114	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB116	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB118	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB119	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB122	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB125	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB127	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB128	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB129	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB130	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB133	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB134	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB135	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB138	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB140	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB141	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB149	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB150	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB154	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB157	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB158	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB159	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB160	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB161	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
RB162	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB220	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB223	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB228	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB229	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB230	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB240	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB244	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB247	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB248	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB249	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB251	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB252	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB257	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB258	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB265	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB266	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB268	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB269	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB337	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
RB338	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
RB339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB362	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
RB363	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB364	NRVA02D-222X	CMF RESISTOR	2.2kΩ 1/10W D	
RB365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB366	NRVA63D-473X	CMF RESISTOR	47kΩ 1/16W D	
RB367	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB368	NRVA02D-682X	CMF RESISTOR	6.8kΩ 1/10W D	
RB375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB410	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB442	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB464	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB465	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB466	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB474	NRVA02D-562X	CMF RESISTOR	5.6kΩ 1/10W D	
RB475	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB479	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB483	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB503	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB505	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB507	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB508	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB517	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB518	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB519	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB522	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB523	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB524	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB525	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB526	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB527	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
RB528	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB529	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB530	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB537	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB538	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB539	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB541	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB542	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB543	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB544	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB545	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB546	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB547	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB548	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB549	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB557	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB558	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB559	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB560	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB561	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB562	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB563	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB564	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB565	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB566	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB567	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB569	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB570	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB577	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB578	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB579	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB580	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB581	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB582	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB583	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB584	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB585	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB586	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
RB587	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB588	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB589	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB590	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
RB591	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB592	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB593	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB595	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB596	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
RB597	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB598	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
RB601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB604	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB612	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB613	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB622	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L701	NQL092K-3R3X	P COIL	3.3uH K	
L702	NQL092K-3R3X	P COIL	3.3uH K	
L703	NQL092K-3R3X	P COIL	3.3uH K	
L704	NQL092K-3R3X	P COIL	3.3uH K	
L705	NQL092K-3R3X	P COIL	3.3uH K	
L706	NQL092K-3R3X	P COIL	3.3uH K	
L707	NQR0413-003X	FERRITE BEADS		
L708	NQR0413-003X	FERRITE BEADS		
L709	NQR0413-003X	FERRITE BEADS		
L751	NQL092K-6R8X	P COIL	6.8uH K	
L752	NQL092K-6R8X	P COIL	6.8uH K	
L753	NQL092K-6R8X	P COIL	6.8uH K	
L754	NQL092M-270X	P COIL	27uH M	
L761	NQL034K-220X	P COIL	22uH K	
L762	NQL034K-101X	P COIL	100uH K	
L763	NQL034K-220X	P COIL	22uH K	
L764	NQL034K-101X	P COIL	100uH K	
L765	NQL034K-101X	P COIL	100uH K	
L766	NQL034K-220X	P COIL	22uH K	
L767	NQL034K-220X	P COIL	22uH K	
L768	NQR0413-003X	FERRITE BEADS		
L769	NQL092M-180X	P COIL	18uH M	
L801	NQL092K-3R3X	P COIL	3.3uH K	
L802	NQL092K-3R3X	P COIL	3.3uH K	
L803	NQL092K-3R3X	P COIL	3.3uH K	
L804	NQL092K-3R3X	P COIL	3.3uH K	
L805	NQL092K-3R3X	P COIL	3.3uH K	
L806	NQL092K-3R3X	P COIL	3.3uH K	
L807	NQR0413-003X	FERRITE BEADS		
L808	NQR0413-003X	FERRITE BEADS		
L809	NQR0413-003X	FERRITE BEADS		
L851	NQL092K-6R8X	P COIL	6.8uH K	
L852	NQL092K-6R8X	P COIL	6.8uH K	
L853	NQL092K-6R8X	P COIL	6.8uH K	
L854	NQL092M-270X	P COIL	27uH M	
L861	NQL034K-220X	P COIL	22uH K	
L862	NQL034K-101X	P COIL	100uH K	
L863	NQL034K-101X	P COIL	100uH K	
L864	NQL034K-101X	P COIL	100uH K	
L865	NQL034K-220X	P COIL	22uH K	
L866	NQL034K-220X	P COIL	22uH K	
L867	NQL034K-220X	P COIL	22uH K	
L868	NQR0413-003X	FERRITE BEADS		
L869	NQL092M-180X	P COIL	18uH M	
LB001	NQL092M-180X	P COIL	18uH M	
LB002	NQL085J-101X	COIL	100uH J	
LB003	NQL085J-101X	COIL	100uH J	
LB005	NQR0413-003X	FERRITE BEADS		
LB007	NQL092K-2R2X	P COIL	2.2uH K	
LB008	NQL092K-2R2X	P COIL	2.2uH K	
LB009	NQL092K-2R2X	P COIL	2.2uH K	
LB101	NQR0413-003X	FERRITE BEADS		
LB102	NQR0413-003X	FERRITE BEADS		
LB104	NQR0413-003X	FERRITE BEADS		
LB106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB202	NQR0413-003X	FERRITE BEADS		
LB204	NQR0413-003X	FERRITE BEADS		
LB205	NQR0413-003X	FERRITE BEADS		
LB206	NQR0413-003X	FERRITE BEADS		
LB207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB211	NQL092K-2R2X	P COIL	2.2uH K	
LB231	NQL092K-2R2X	P COIL	2.2uH K	
LB251	NQL092K-2R2X	P COIL	2.2uH K	
LB271	NQL092K-2R2X	P COIL	2.2uH K	
LB602	NQR0413-003X	FERRITE BEADS		
KB002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB003	NQR0413-002X	FERRITE BEADS		
KB004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB013	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB020	NQR0413-002X	FERRITE BEADS		
KB021	NQR0413-002X	FERRITE BEADS		
KB022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB202	NQR0413-003X	FERRITE BEADS		
LC005	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC006	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC008	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC009	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC010	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC011	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC012	NQR0416-001X	EMI FILTER		
LC013	NQR0416-001X	EMI FILTER		
LC017	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC018	NQR0415-005X	EMI FILTER	0.1uF 25V M	

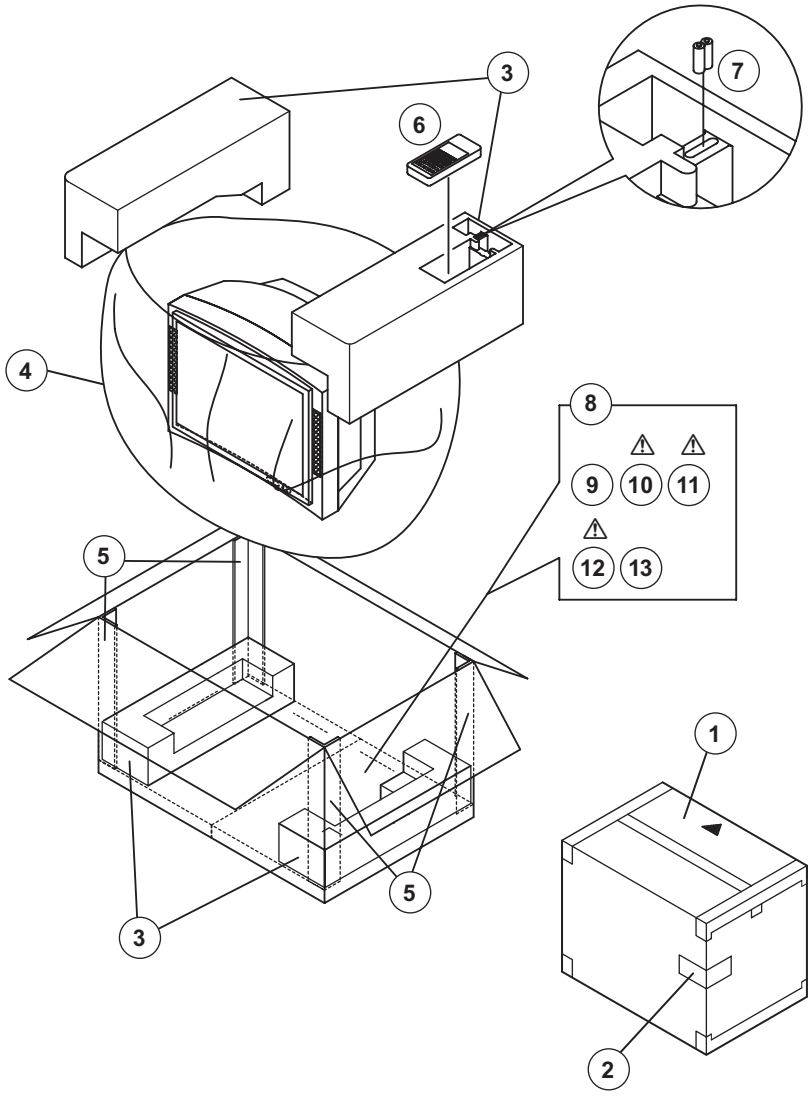
⚠ Ref No.	Part No.	Part Name	Description	Local
LC019	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC020	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC021	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC025	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC029	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC030	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC031	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC032	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC601	NQR0415-005X	EMI FILTER	0.1uF 25V M	
X101	NAX0539-001X	CXO	10.000MHz	
X601	NAX0526-001X	CXO	74.1758MHz	
X701	QAX0305-001	CRYSTAL	16.200MHz	
X801	QAX0305-001	CRYSTAL	16.200MHz	

REMOTE CONTROL UNIT PARTS LIST



⚠ Ref.No.	Part No.	Part Name	Description	Local
1	2AA027770	BATTERY DOOR	RM-C61-1C/RM-C62-1C	
2	2AA027760	COVER	RM-C61-1C/RM-C62-1C	

PACKING



* INSTRUCTION BOOK LANGUAGE

EN	ENGLISH
GE	GERMANY
DU	DUTCH
SP	SPANISH
IT	ITALIAN
DA	DANISH
FI	FINNISH
SW	SWEDISH
NO	NORWEGIAN
PT	PORTUGUESE
CZ	CZECH
RU	RUSSIAN
HU	HUNGARIAN
PO	POLISH
FR	FRENCH
RUM	RUMANIAN
BUL	BULGARIAN

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC10101-017A	PACKING CASE		
	2	AEM1064-034-E	EURO LABEL		EUW
	2	AEM1064-035-E	EURO LABEL		EJW
	3	LC11361-001C	CUSHION ASSY	4pcs in 1set	
	4	AEM1047-A02-E	POLY BAG	TV set	
	5	AEM3119-006A-E	CORNER POST	(x4)	
	6	RM-C61-1C	REMOCON		EUW
	6	RM-C62-1C	REMOCON		EJW
	7	----------	BATTERY	(x2)	
	8	AEM3021-003A-E	POLY BAG	ACCESSORY	
	9	BT-54013-4E	WARRANTY CARD		
⚠	10	LCT1272-001A-U	INST BOOK	EN/GE/FR/DU/SP/IT/PT	EUW
⚠	10	LCT1271-001A-U	INST BOOK	EN	EJW
⚠	11	LCT1273-001A-U	INST BOOK	NO/FI/DA/SW	EUW
⚠	12	LCT1274-001A-U	INST BOOK	RU/PO/CZ/HU/RUM/BUL	EUW
	13	32D25EU-HS-A-E	S DAIAGRAM	[ITARY VERSION]	EUW

JVC

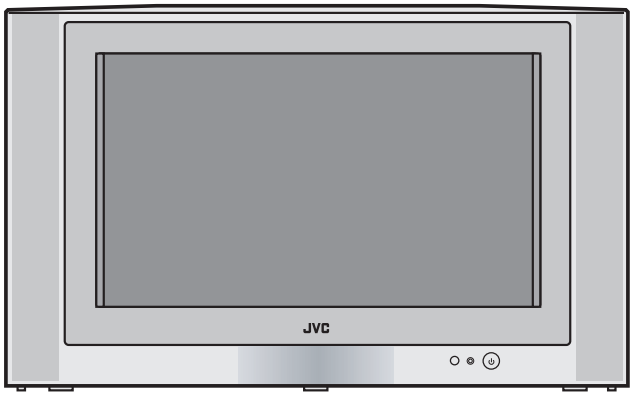
SCHEMATIC DIAGRAMS

COLOUR TELEVISION

HV-32D25EUW
HV-32D25EJW

BASIC CHASSIS
MK

CD-ROM No.SML200301



D.I.S.T. 1250i
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Natural Vision
T-V LINK

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No.52068SCH
2002/12

HV-32D25EUW / HV-32D25EJW STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	:DC 20kΩ/V
(4)Oscilloscope sweeping time	:H ⇒ 20μS/div
	:V ⇒ 5mS/div
	:Others ⇒ Sweeping time is specified
(5)Voltage values	:All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	:[Ω]
K	:[K Ω]
M	:[M Ω]

● Rated allowable power

No indication	:1/ 16 [W]
Others	:As specified

● Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflammable resistor
FR	:Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	:[pF]
less than 1	:[μF]

● Withstand voltage

No indication	:DC50[V]
Others	:DC withstand voltage [V]
AC indicated	:AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]:Capacitance value [μF]/withstand voltage[V]

● Type

No indication	:Ceramic capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

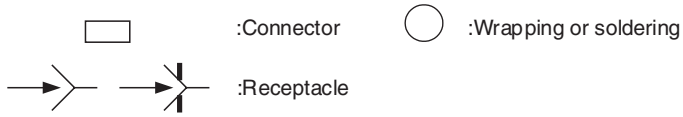
No unit	:[μH]
Others	:As specified

(4)Power Supply

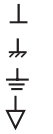
∗ Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol



⊥ :LIVE side ground
⏚ :ISOLATED(NEUTRAL) side ground
⏚ :EARTH ground
▽ :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

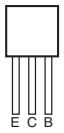
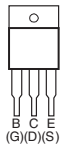
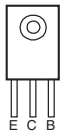
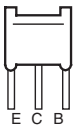
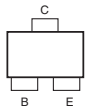
◇ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

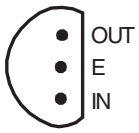
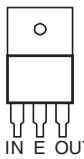
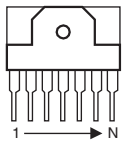
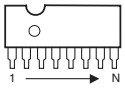
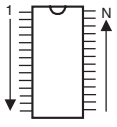
SEMICONDUCTOR SHAPES 2-2
BLOCK DIAGRAM 2-3
CIRCUIT DIAGRAMS
MAIN PWB CIRCUIT DIAGRAM 2-4
AV SW PWB CIRCUIT DIAGRAM 2-8
CRT SOCKET PWB CIRCUIT DIAGRAM 2-9
DLST PWB CIRCUIT DIAGRAM 2-10
DOLBY PWB CIRCUIT DIAGRAM 2-16
DEF OSC PWB CIRCUIT DIAGRAM 2-18
POWER & DEF PWB CIRCUIT DIAGRAM 2-19
EHT PWB CIRCUIT DIAGRAM 2-20
LINE FILTER PWB CIRCUIT DIAGRAM 2-15
MICOM PWB CIRCUIT DIAGRAM 2-21
FRONT CONTROL PWB CIRCUIT DIAGRAM 2-22
SIDE CONTROL PWB CIRCUIT DIAGRAM 2-23
PATTERN DIAGRAMS
MAIN PWB PATTERN 2-24
POWER & DEF PWB PATTERN 2-26
CRT SOCKET PWB PATTERN 2-27
FRONT CONTROL PWB PATTERN 2-27
SIDE CONTROL PWB PATTERN 2-27
DOLBY PWB PATTERN 2-28
EHT PWB PATTERN 2-29
LINE FILTER PWB PATTERN 2-29
DEF OSC PWB PATTERN 2-29
MICOM PATTERN 2-30
AV SW PWB PATTERN 2-31
DIST PWB PATTERN 2-32
VOLTAGE CHART 2-33

SEMICONDUCTOR SHAPES

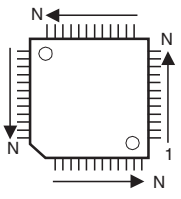
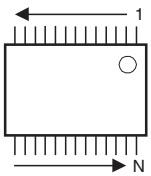
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

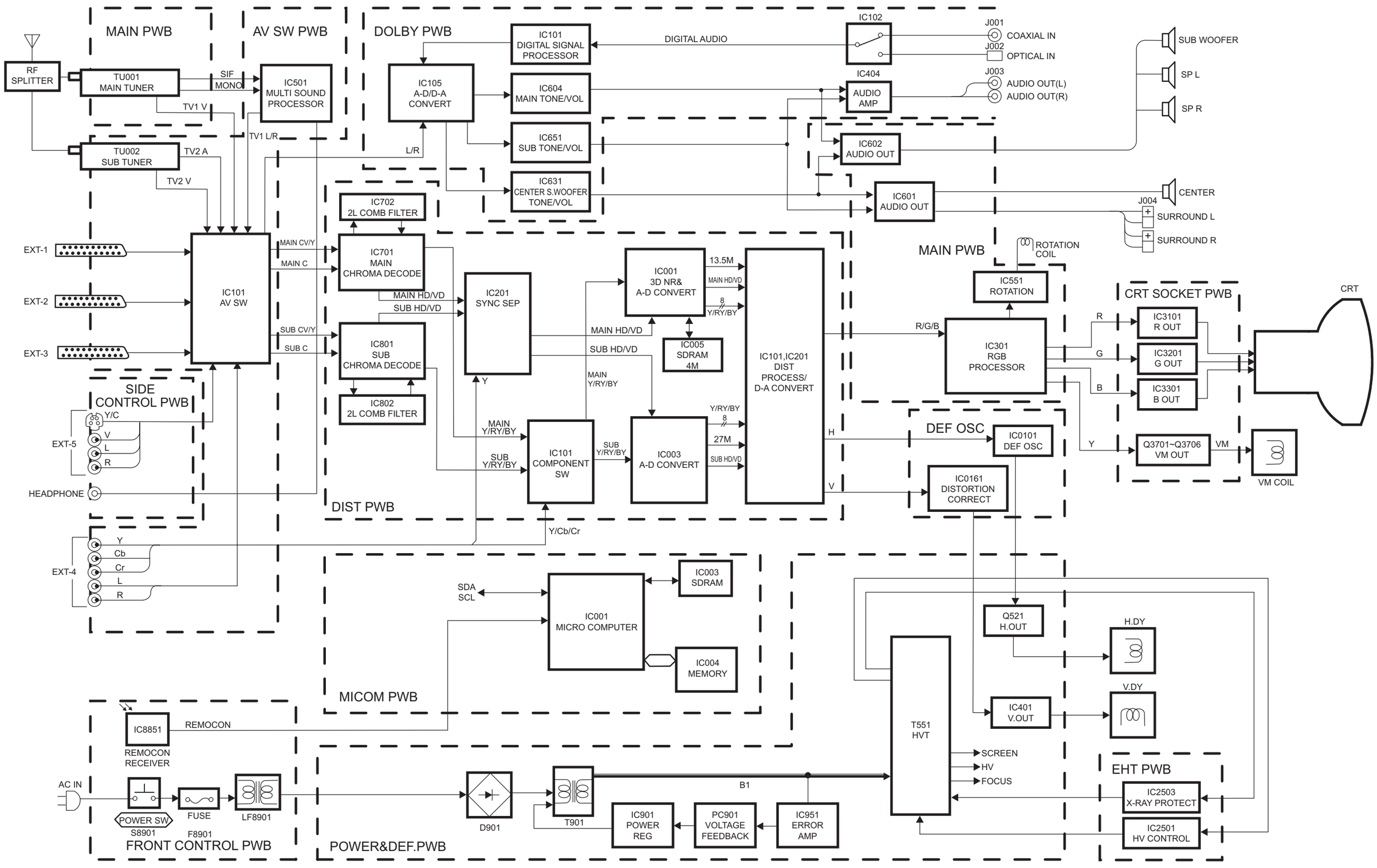
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

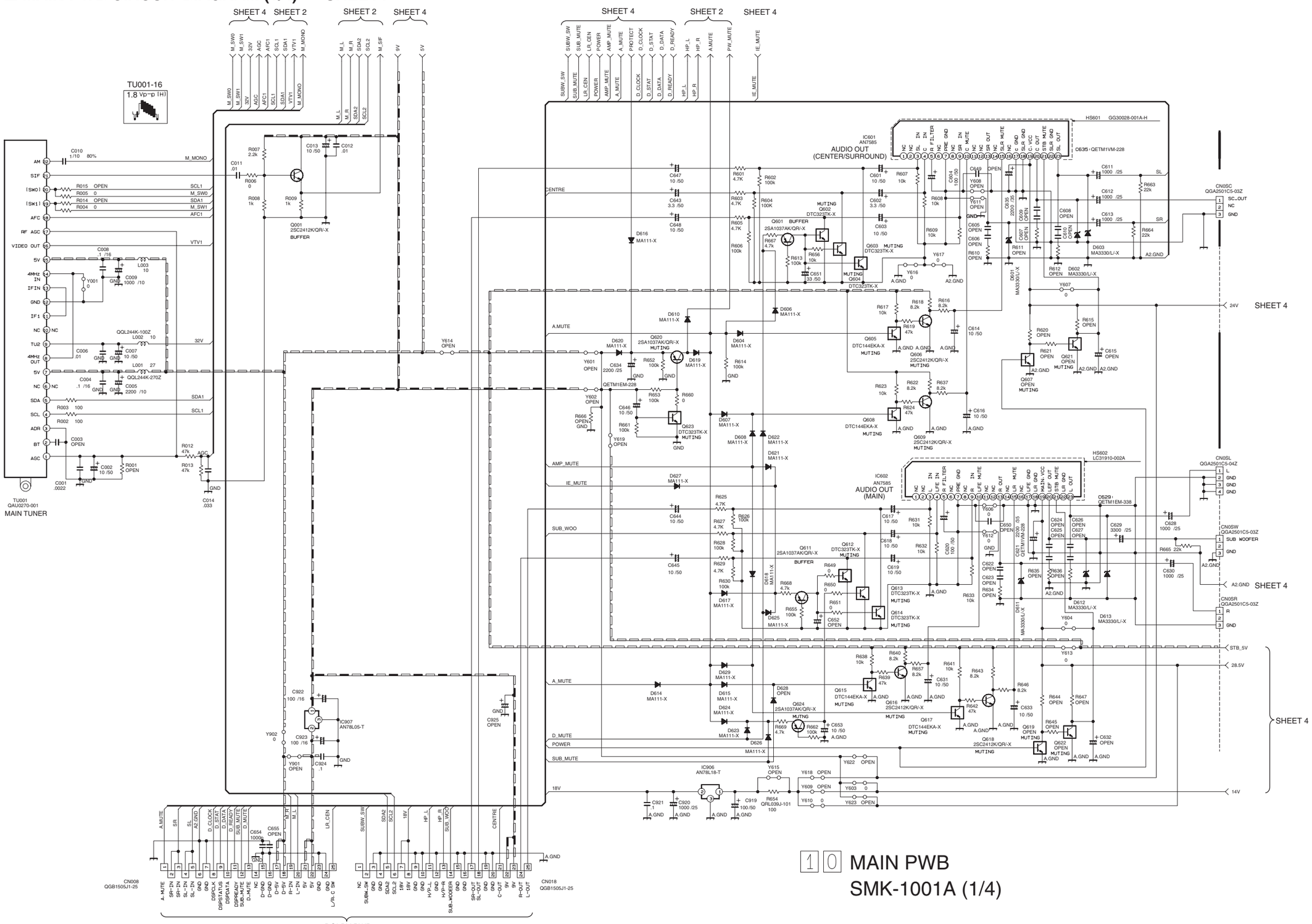
TOP VIEW		
		

BLOCK DIAGRAM



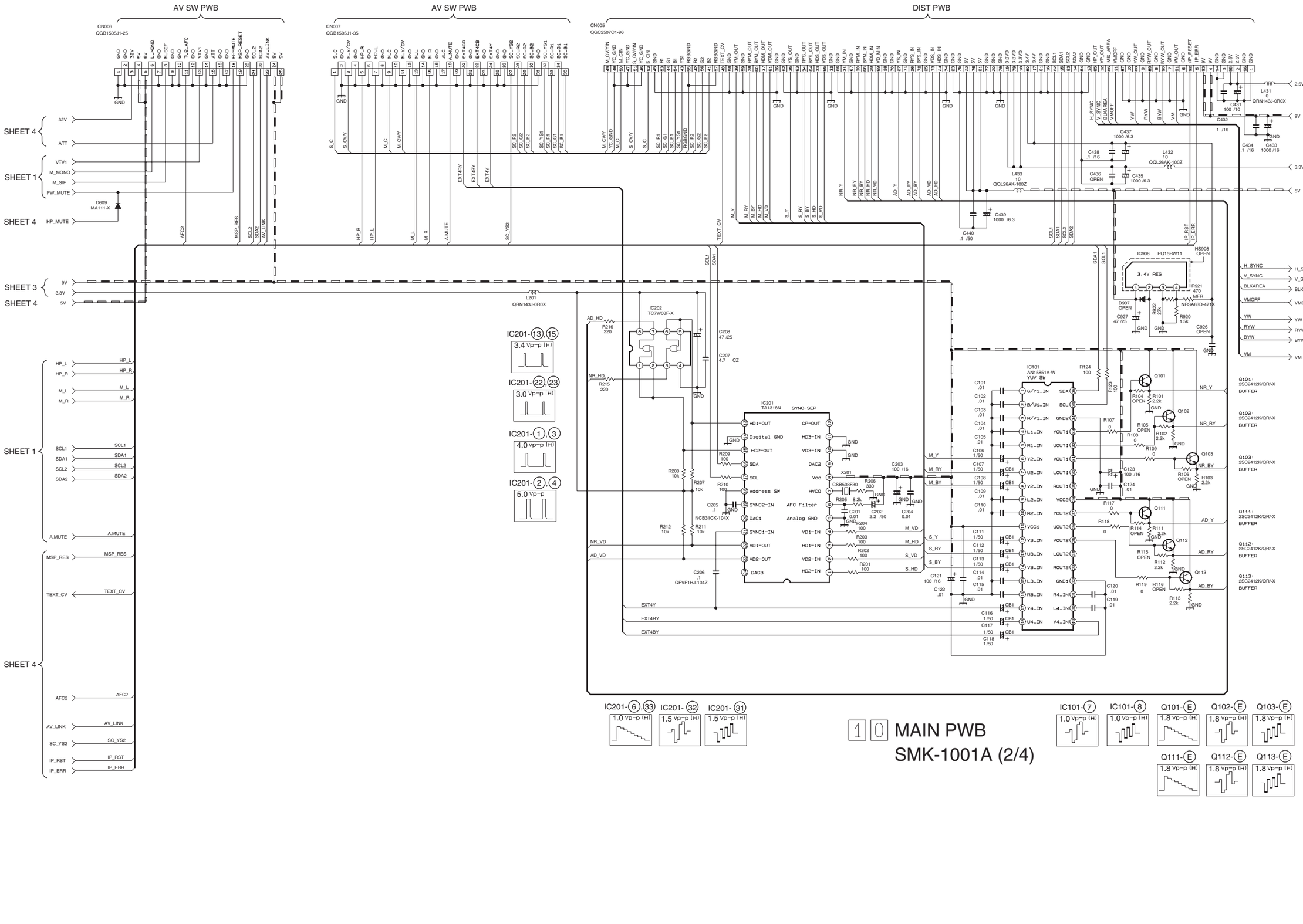
CIRCUIT DIAGRAM

■ MAIN PWB CIRCUIT DIAGRAM (1/4) SHEET1



■ MAIN PWB CIRCUIT DIAGRAM (2/4) SHEET2

SHEET2

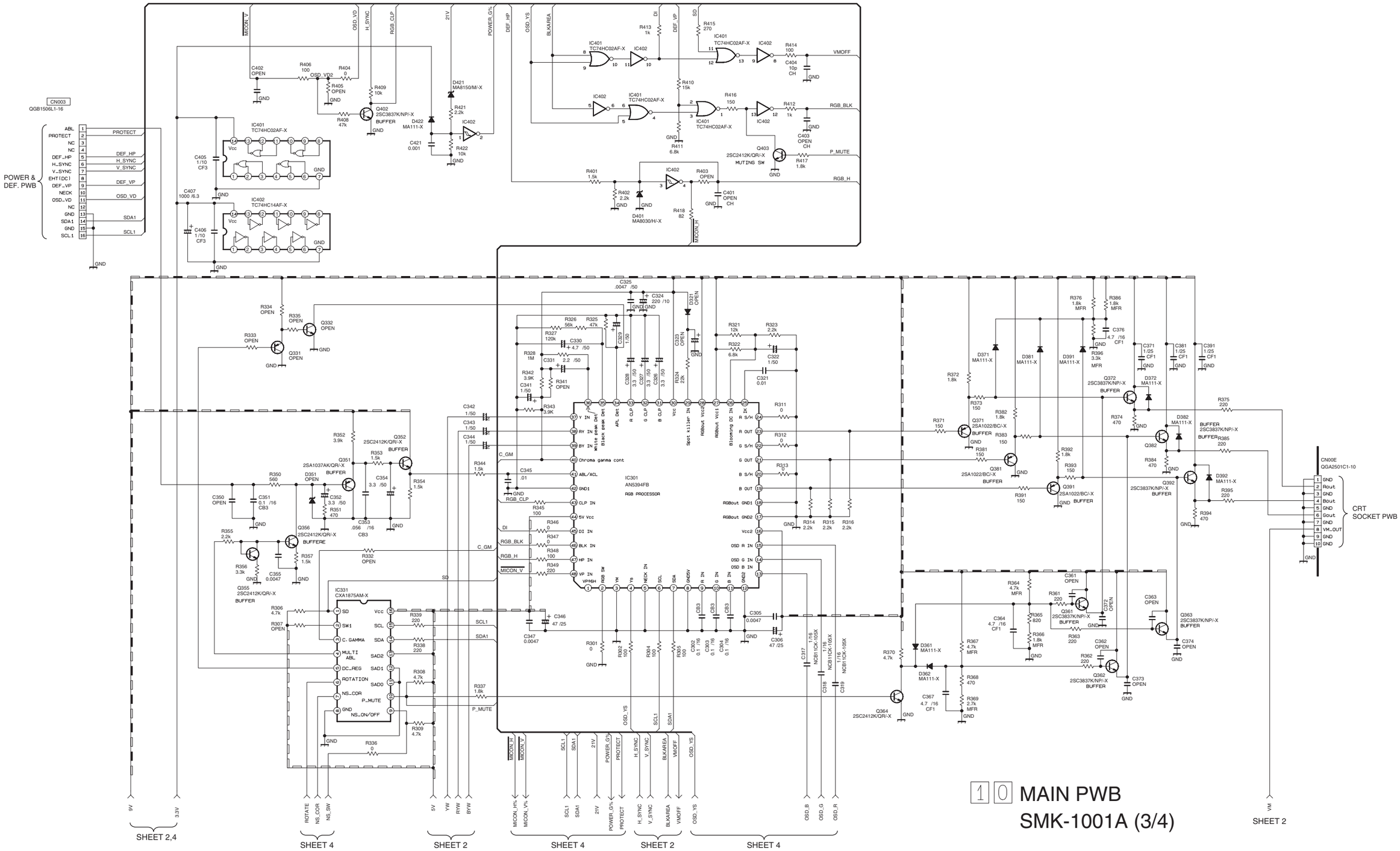


10 MAIN PWB
SMK-1001A (2/4)

HV-32D25EUW
HV-32D25EJW

■ MAIN PWB CIRCUIT DIAGRAM (3/4) SHEET3

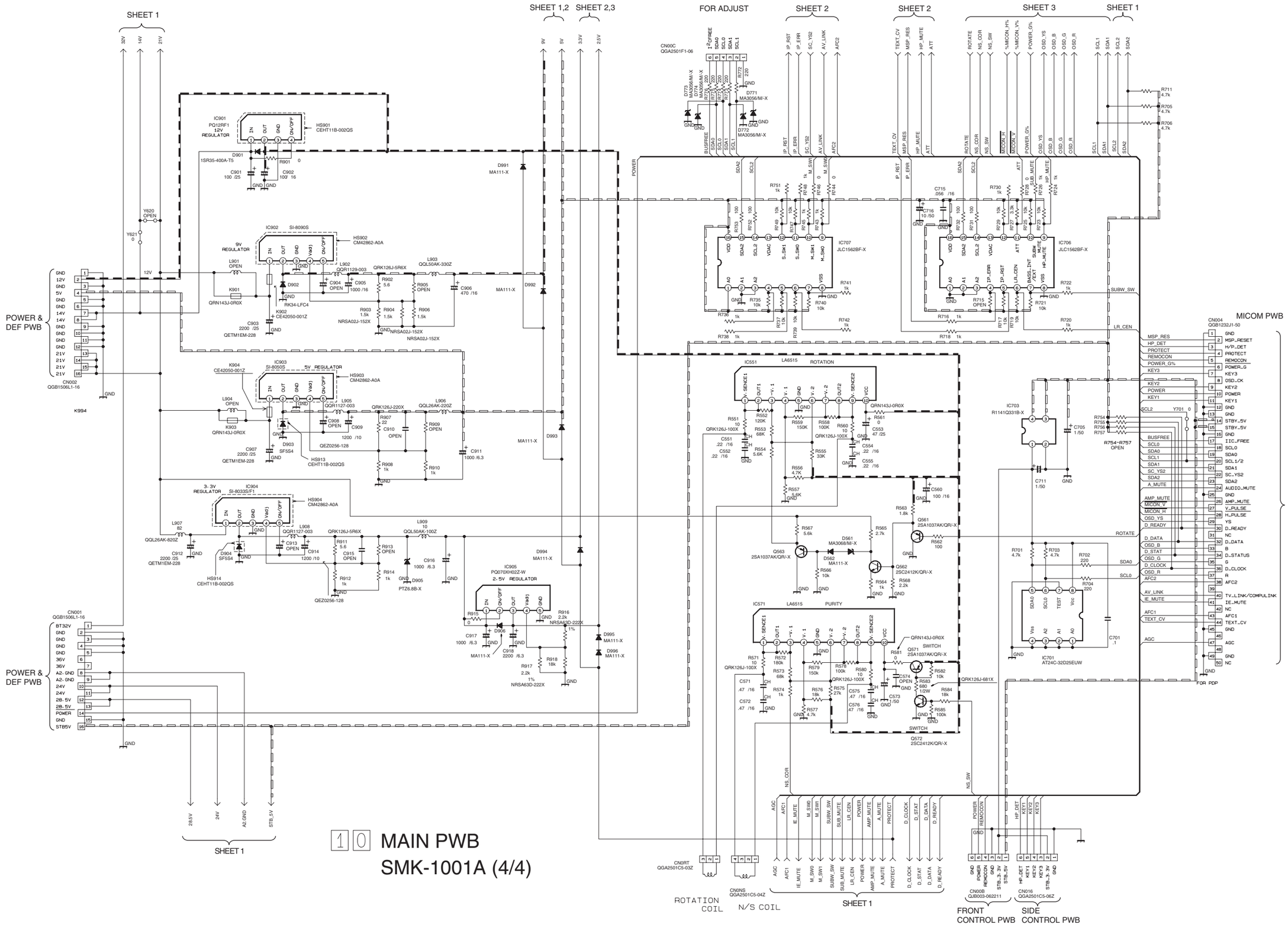
SHEET3



10 MAIN PWB
SMK-1001A (3/4)

■ MAIN PWB CIRCUIT DIAGRAM (4/4) SHEET4

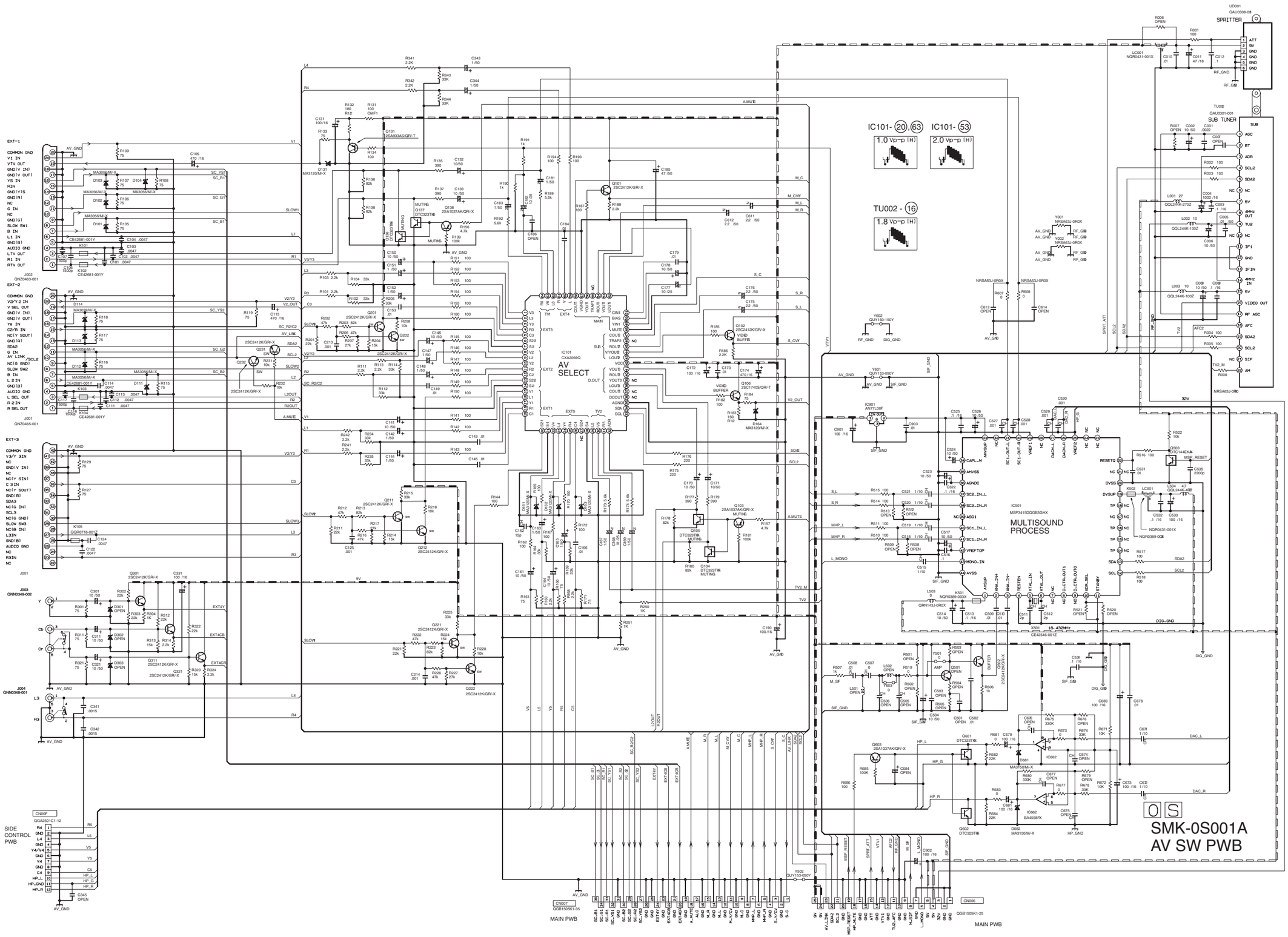
SHEET4



10 MAIN PWB
SMK-1001A (4/4)

HV-32D25EUW
HV-32D25EJW

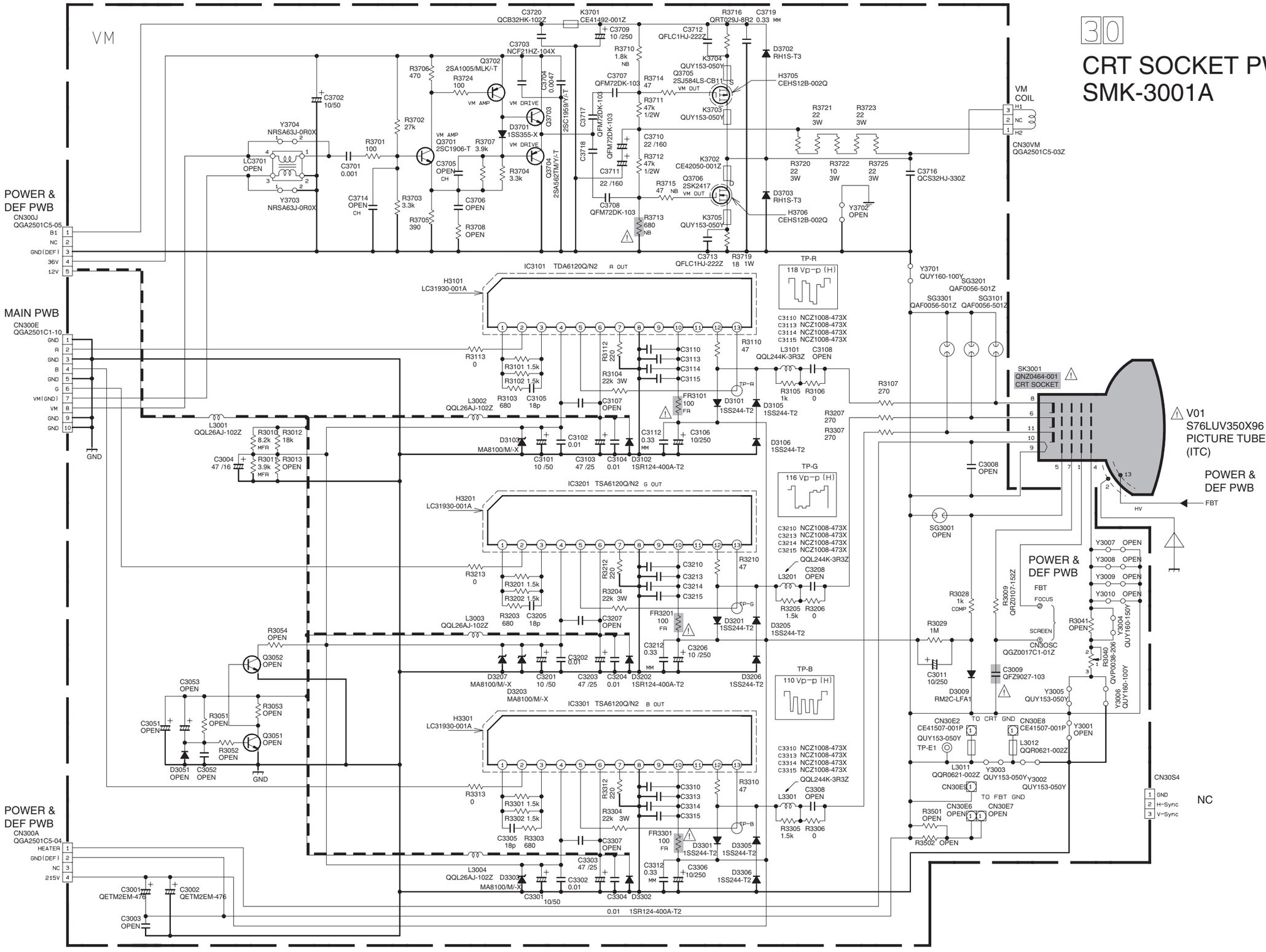
■ AV SW PWB CIRCUIT DIAGRAM



■ CRT SOCKET PWB CIRCUIT DIAGRAM

30

CRT SOCKET PWB
SMK-3001A

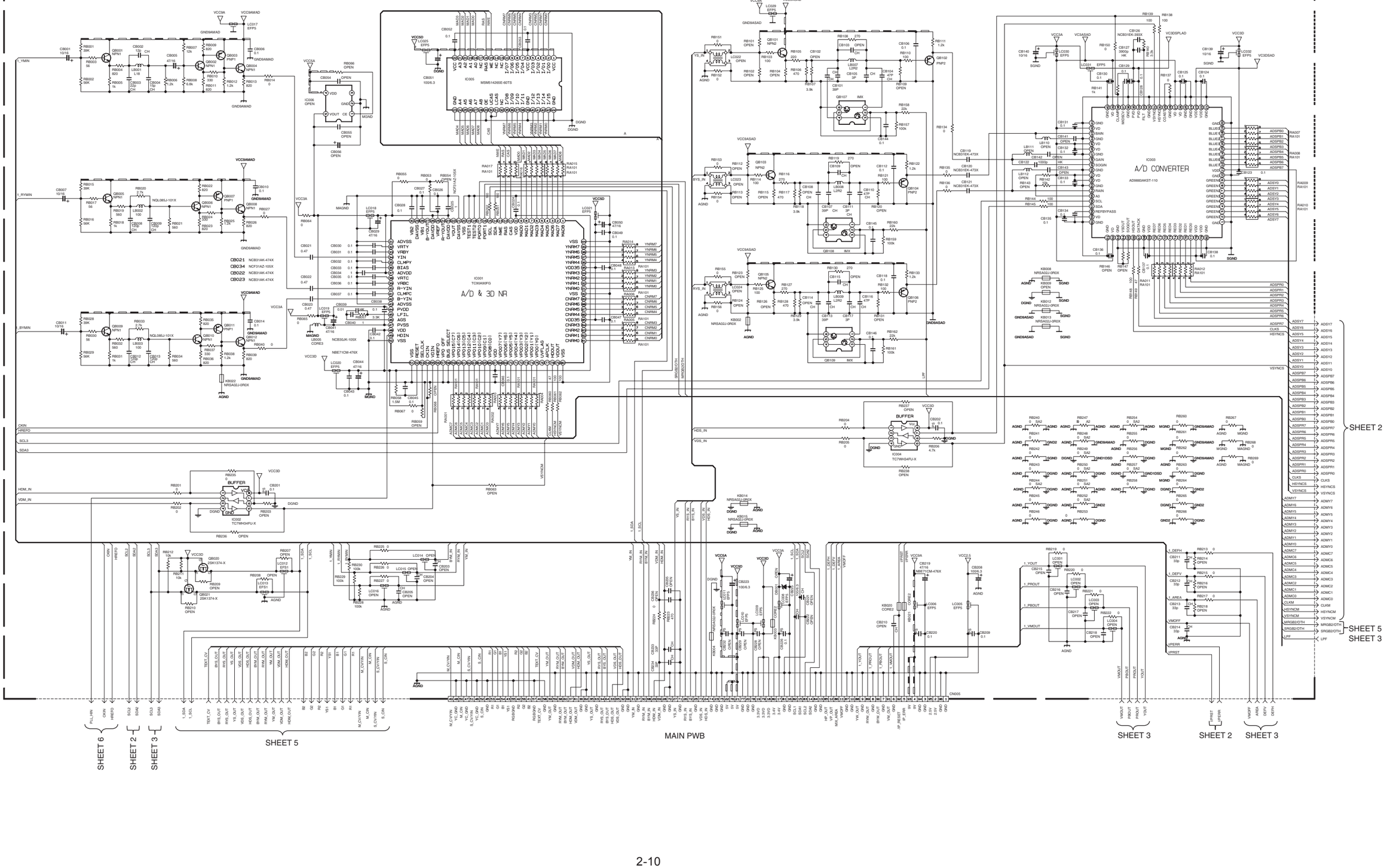


HV-32D25EUW
HV-32D25EJW

■ DIST PWB CIRCUIT DIAGRAM (1/6) SHEET1

SHEET1

0Z DIST PWB (1/6) SMK-0Z001A
[A-D CONVERTER]



■ DIST PWB CIRCUIT DIAGRAM (2/6) SHEET2

SHEET2

0Z DIST PWB (2/6)
[I-P CONVERTER]
SMK-0Z001A

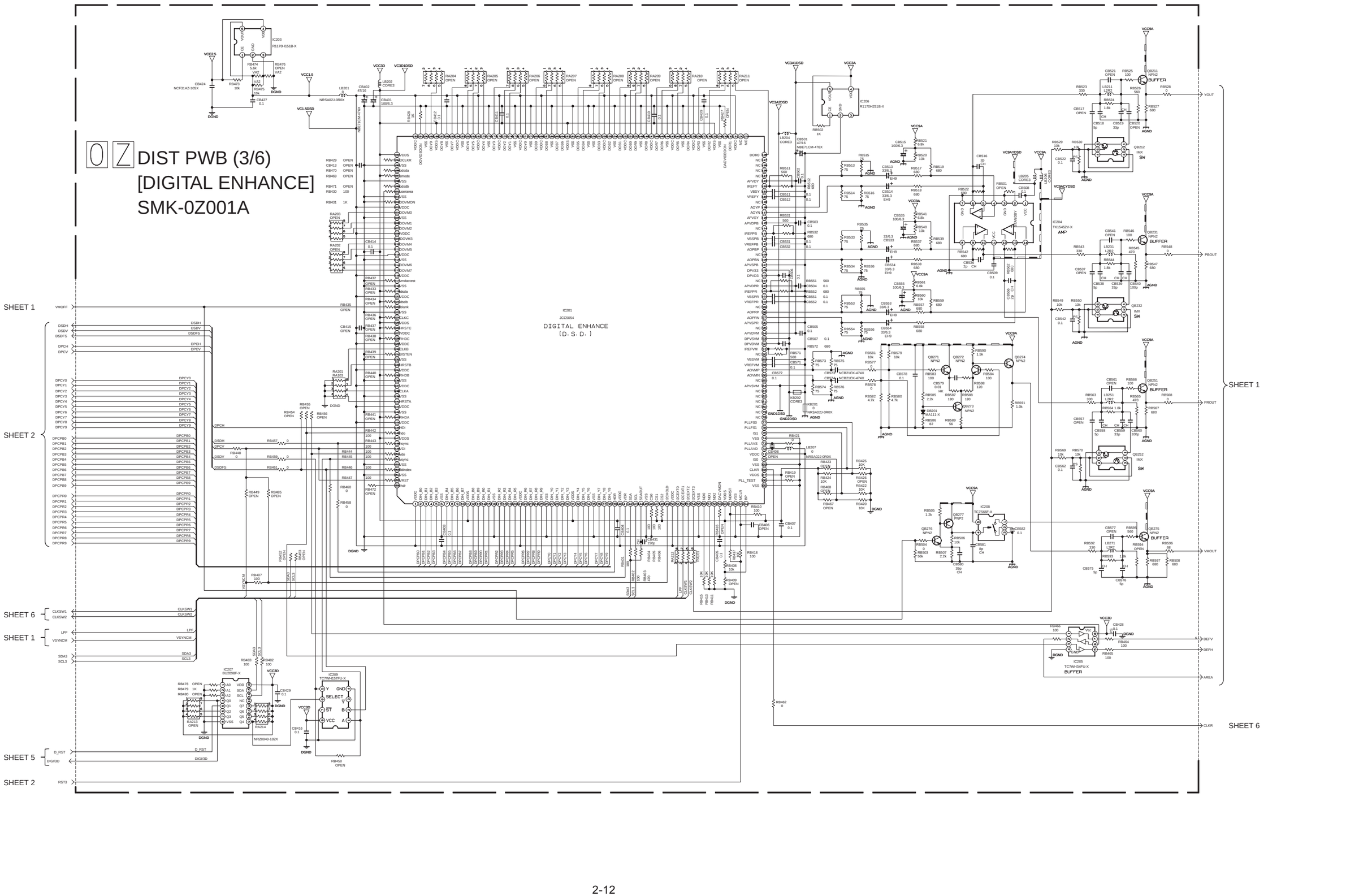
SHEET 1

SHEET 3

SHEET 3, 4

■ DIST PWB CIRCUIT DIAGRAM (3/6) SHEET3

0Z DIST PWB (3/6)
[DIGITAL ENHANCE]
SMK-0Z001A



■ DIST PWB CIRCUIT DIAGRAM (4/6) SHEET4

0Z DIST PWB (4/6)
[3D YC SEPARATE]
SMK-0Z001A

IC253 OPEN 2.5V REGULATOR

IC251 OPEN 3D YC SEPARATOR

SLA0="H" IIC-ADR="BA/BBh"

SHEET 3

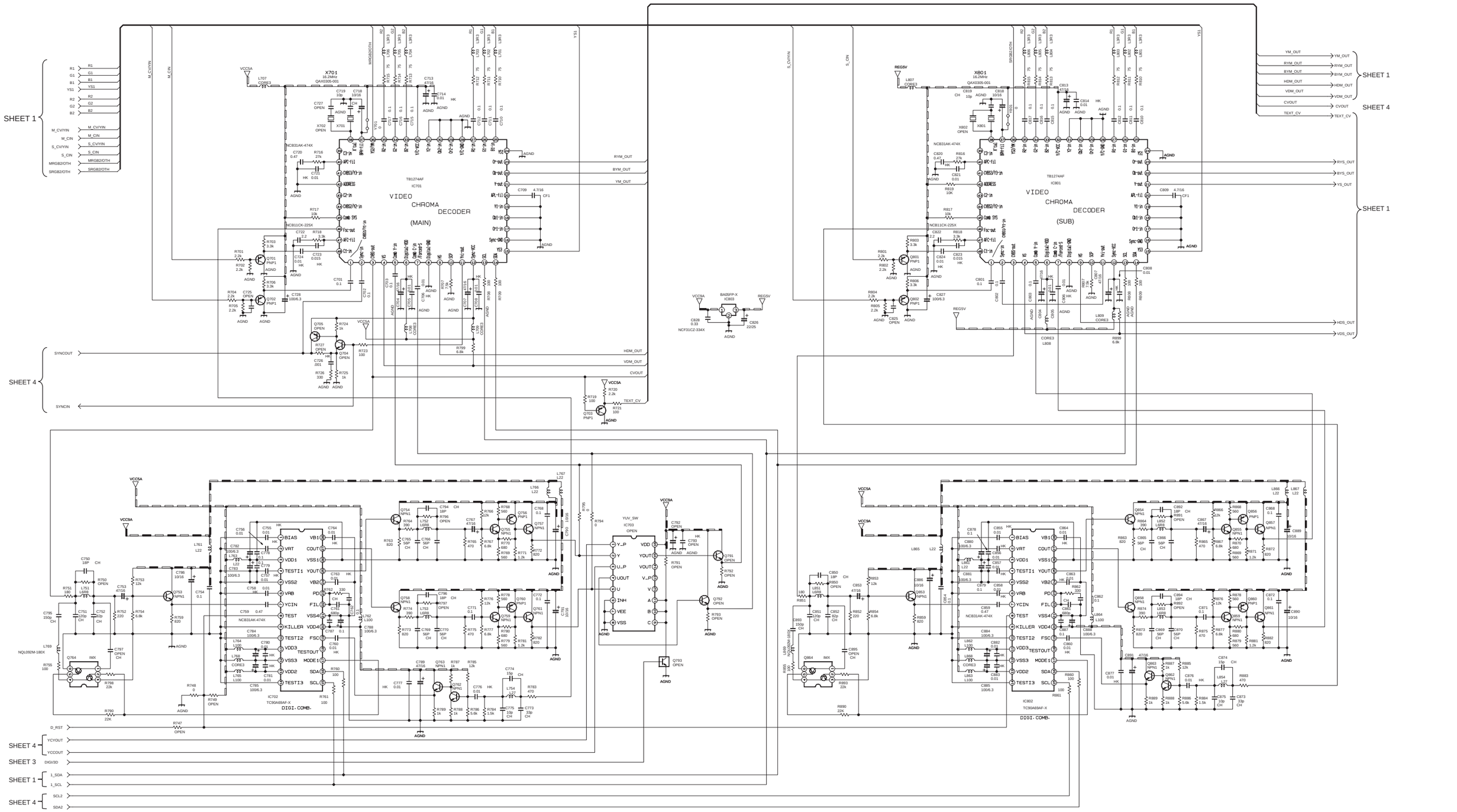
SHEET 5

SHEET 2

HV-32D25EUW
HV-32D25EJW

■ DIST PWB CIRCUIT DIAGRAM (5/6) SHEET5

SHEET5

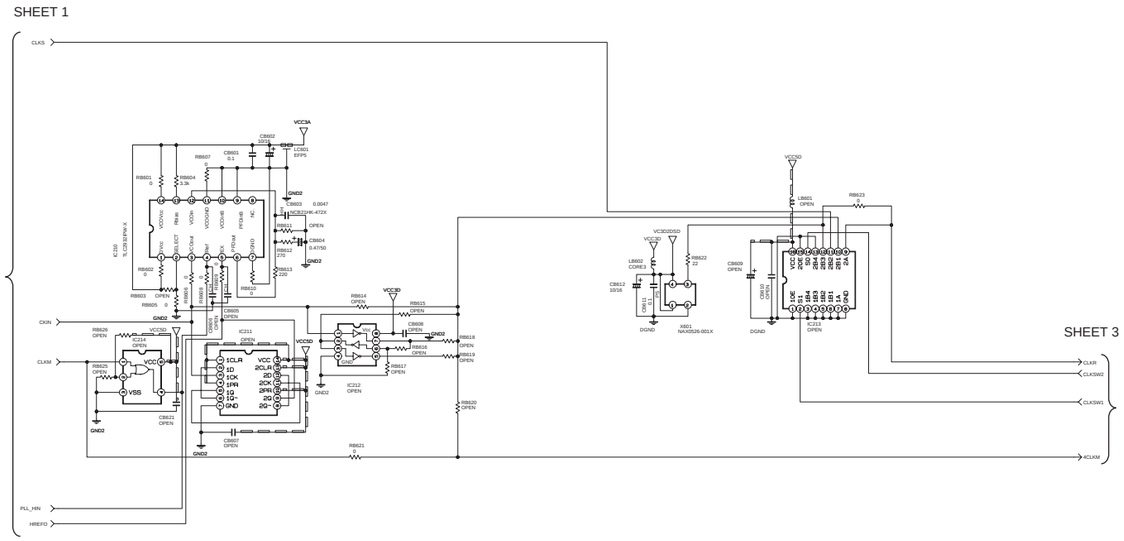


0Z DIST PWB (5/6) [VIDEO/CHROMA DECODER] SMK-0Z001A

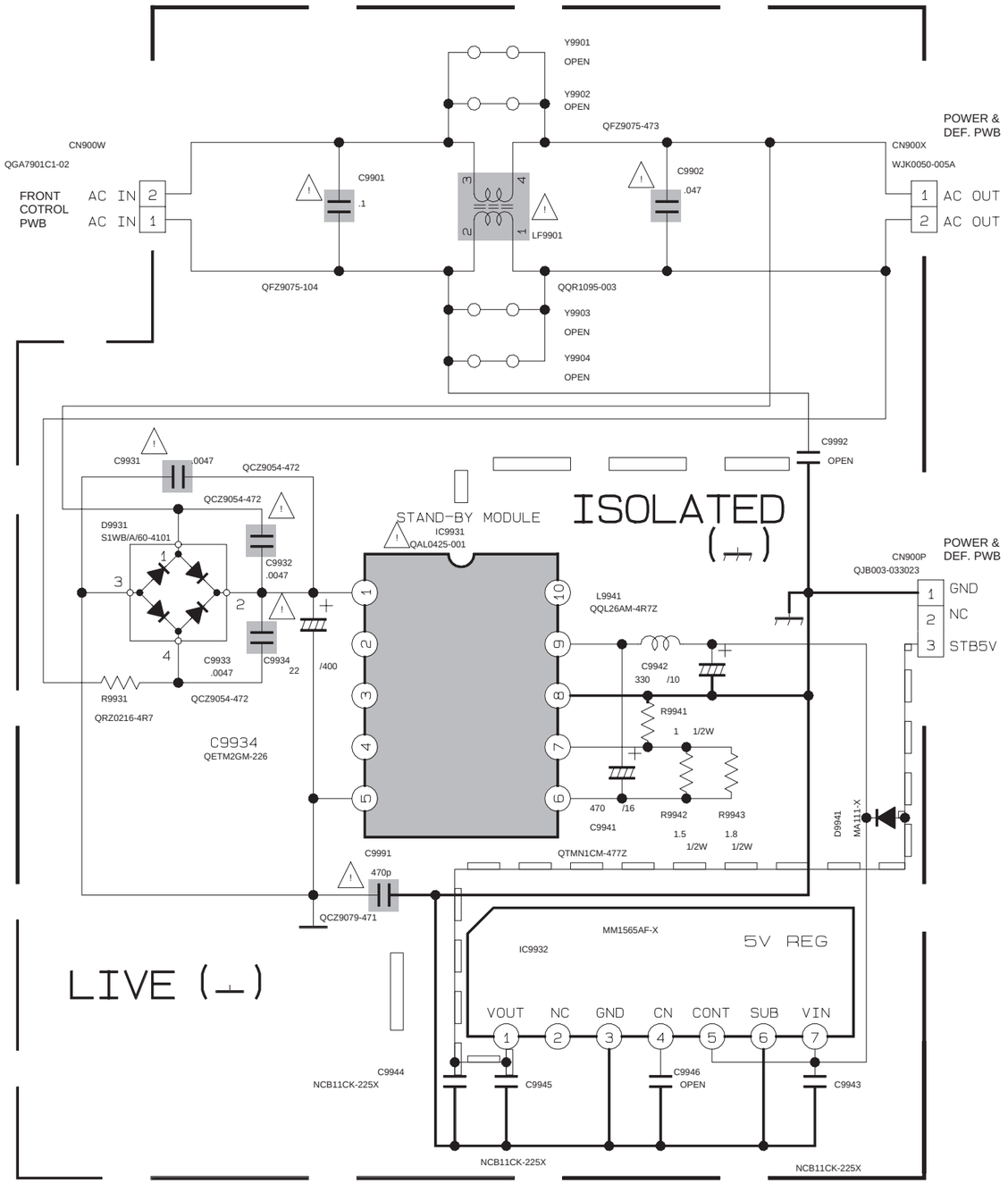
■ DIST PWB CIRCUIT DIAGRAM (6/6) SHEET6

SHEET6

0Z DIST PWB (6/6)
[H_PLL]
SMK-0Z001A

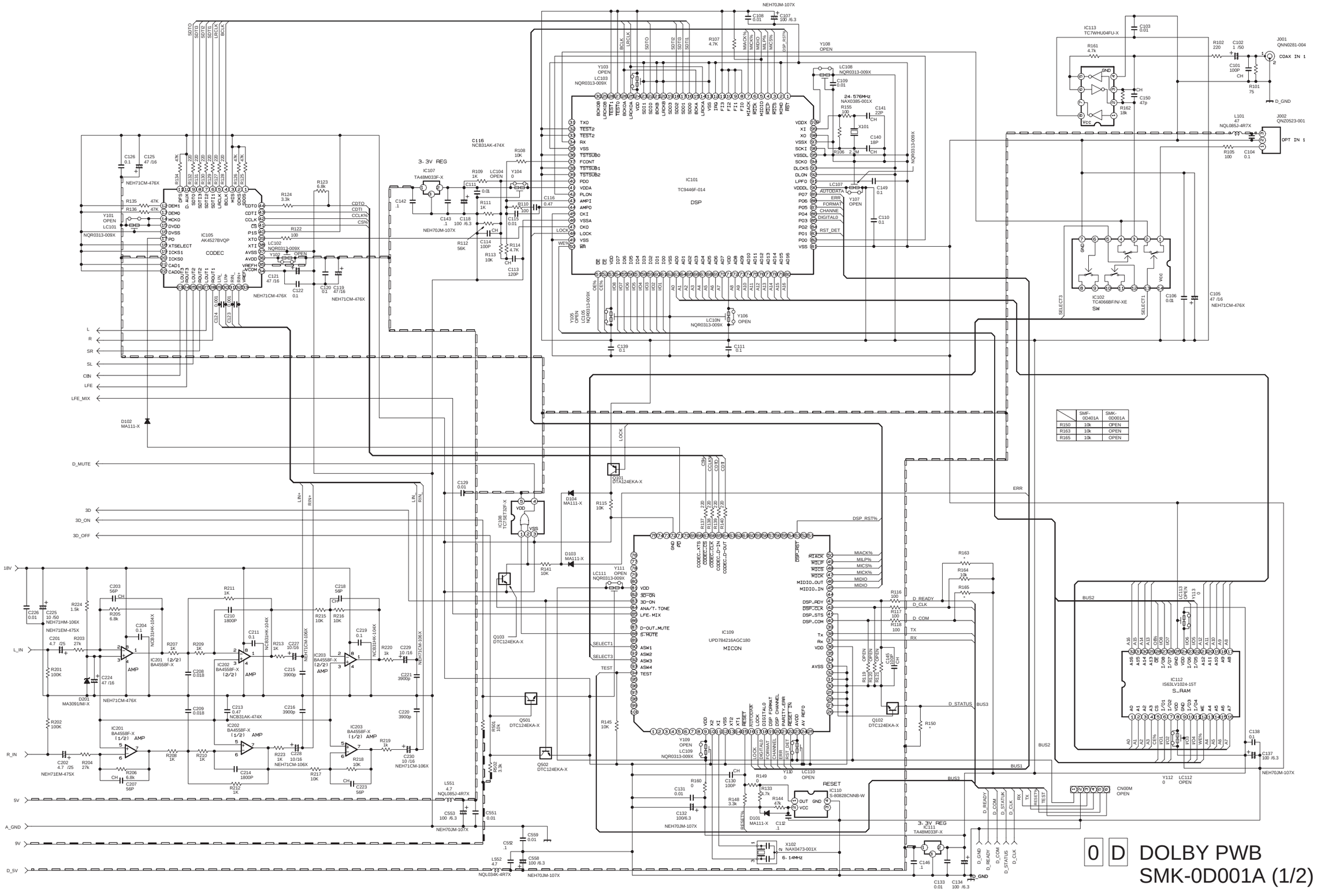


■ LINE FILTER PWB CIRCUIT DIAGRAM



90 LINE FILTER PWB
SMK-9001A

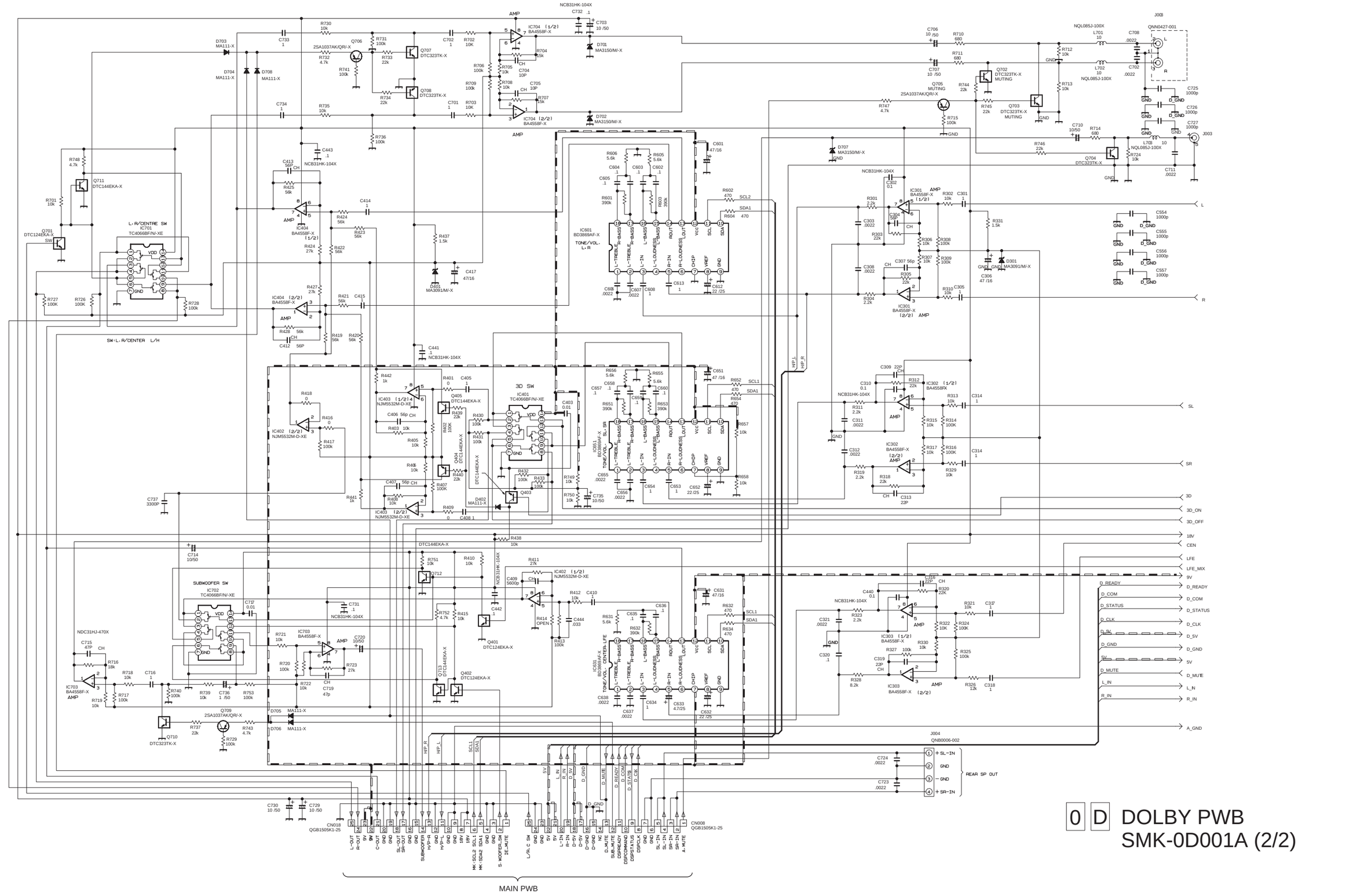
■ DOLBY PWB CIRCUIT DIAGRAM (1/2)



	SMF-0D401A	SMK-0D001A
R150	10k	OPEN
R163	10k	OPEN
R165	10k	OPEN

0 D DOLBY PWB
SMK-0D001A (1/2)

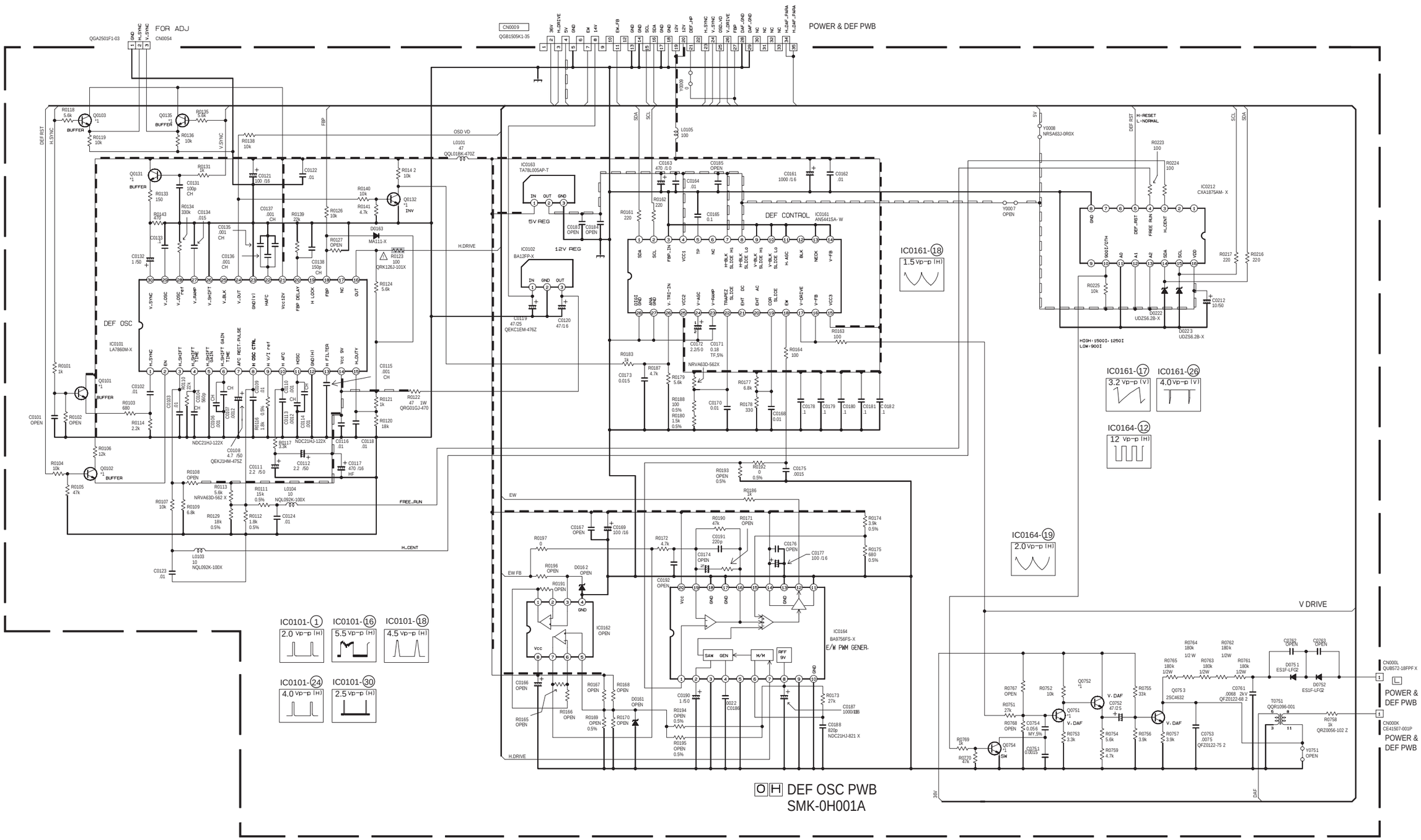
■ DOLBY PWB CIRCUIT DIAGRAM (2/2)



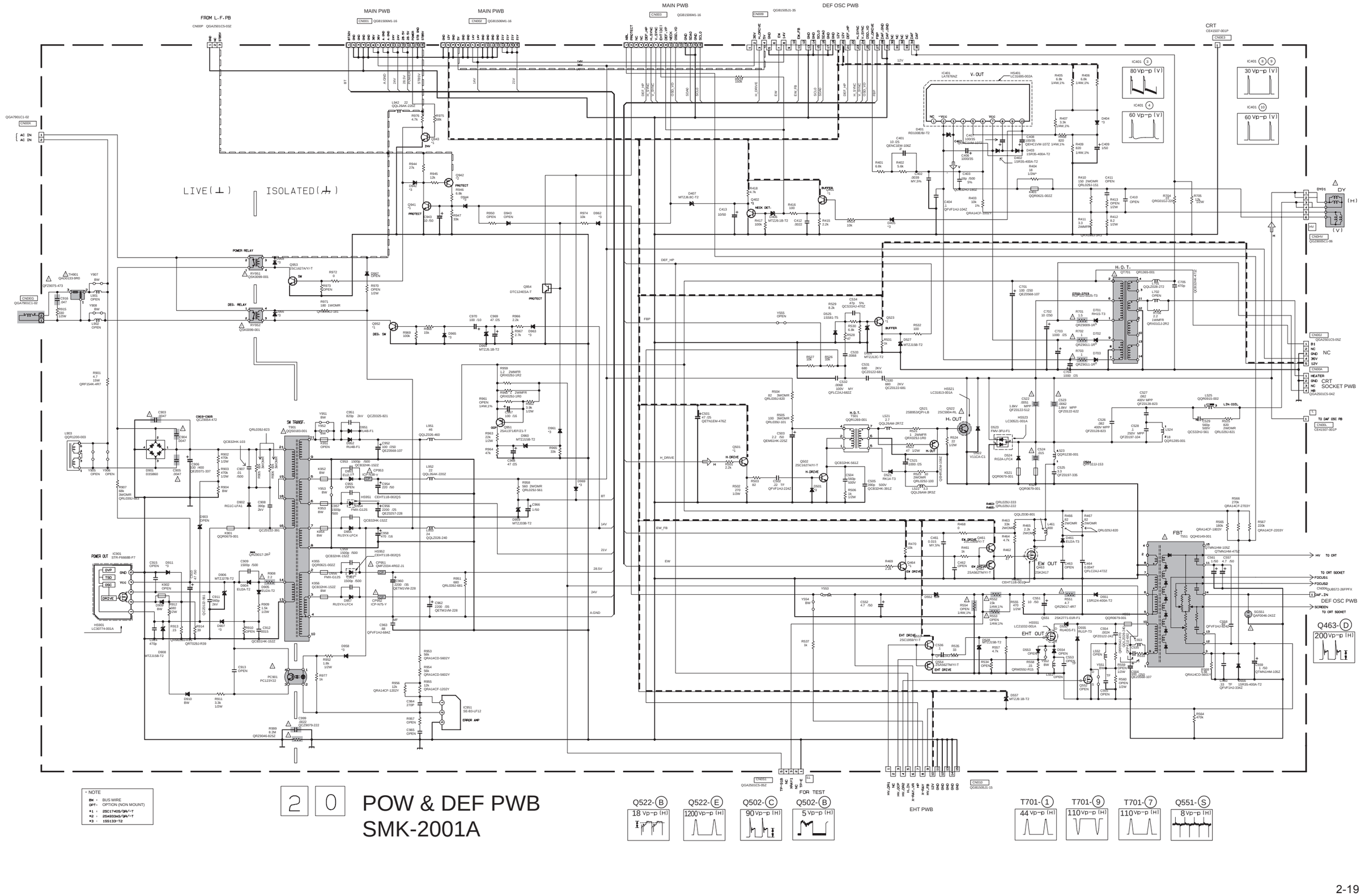
0 D DOLBY PWB
SMK-0D001A (2/2)

■ DEF OSC PWB CIRCUIT DIAGRAM

*1: 2SC2412K/QR/-X
*2: 2SA1037AK/QR/-X
*3: MA111-X
BW: IM-BW
O: NRSA63J-0R0X

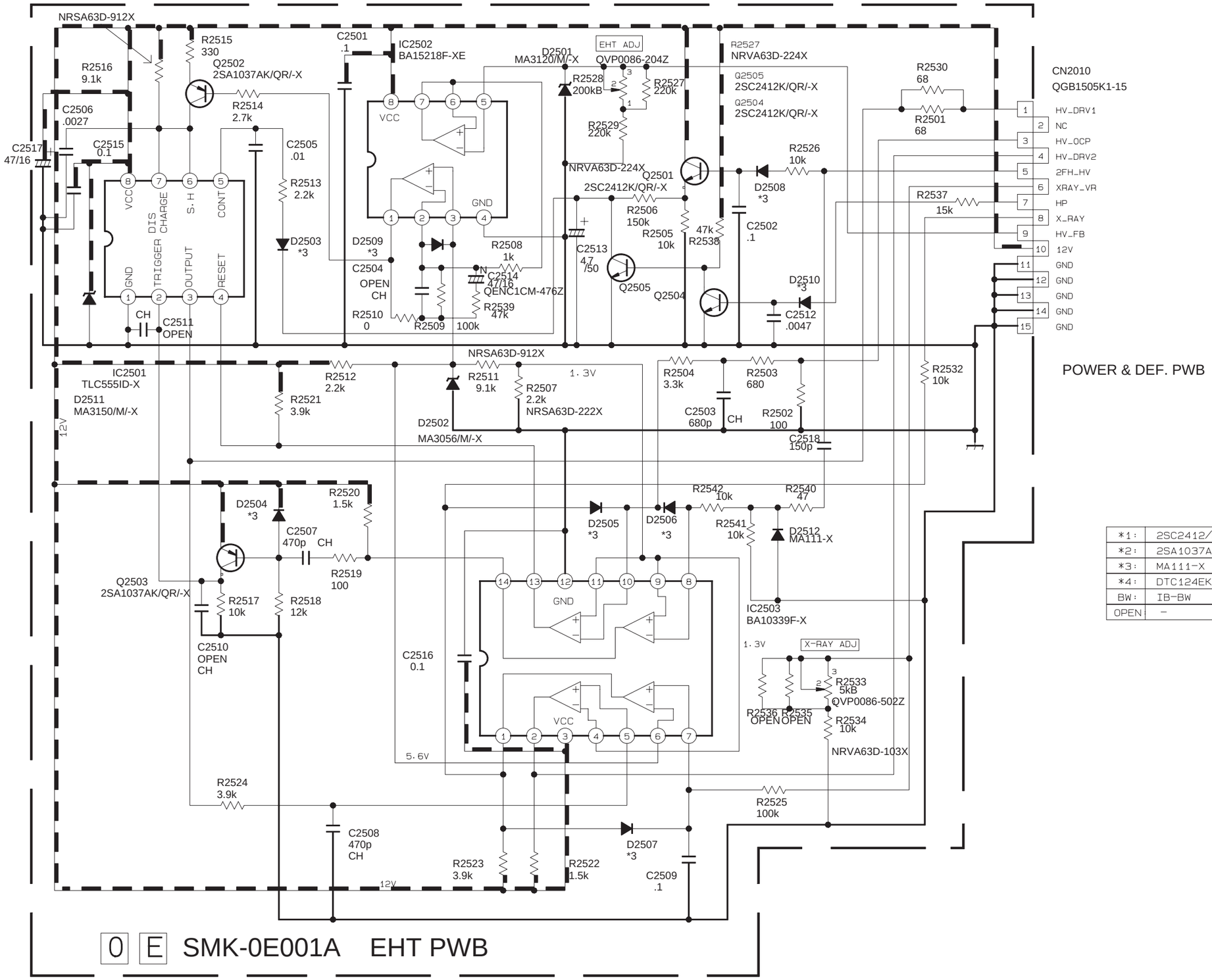


■ POWER & DEF PWB CIRCUIT DIAGRAM



· NOTE
BW : BUS WIRE
OPT: OPTION (NON MOUNT)
*1 : 2SC1740S/QR/-T
*2 : 2SA933AS/QR/-T
*3 : 1SS133-T2

■ EHT PWB CIRCUIT DIAGRAM

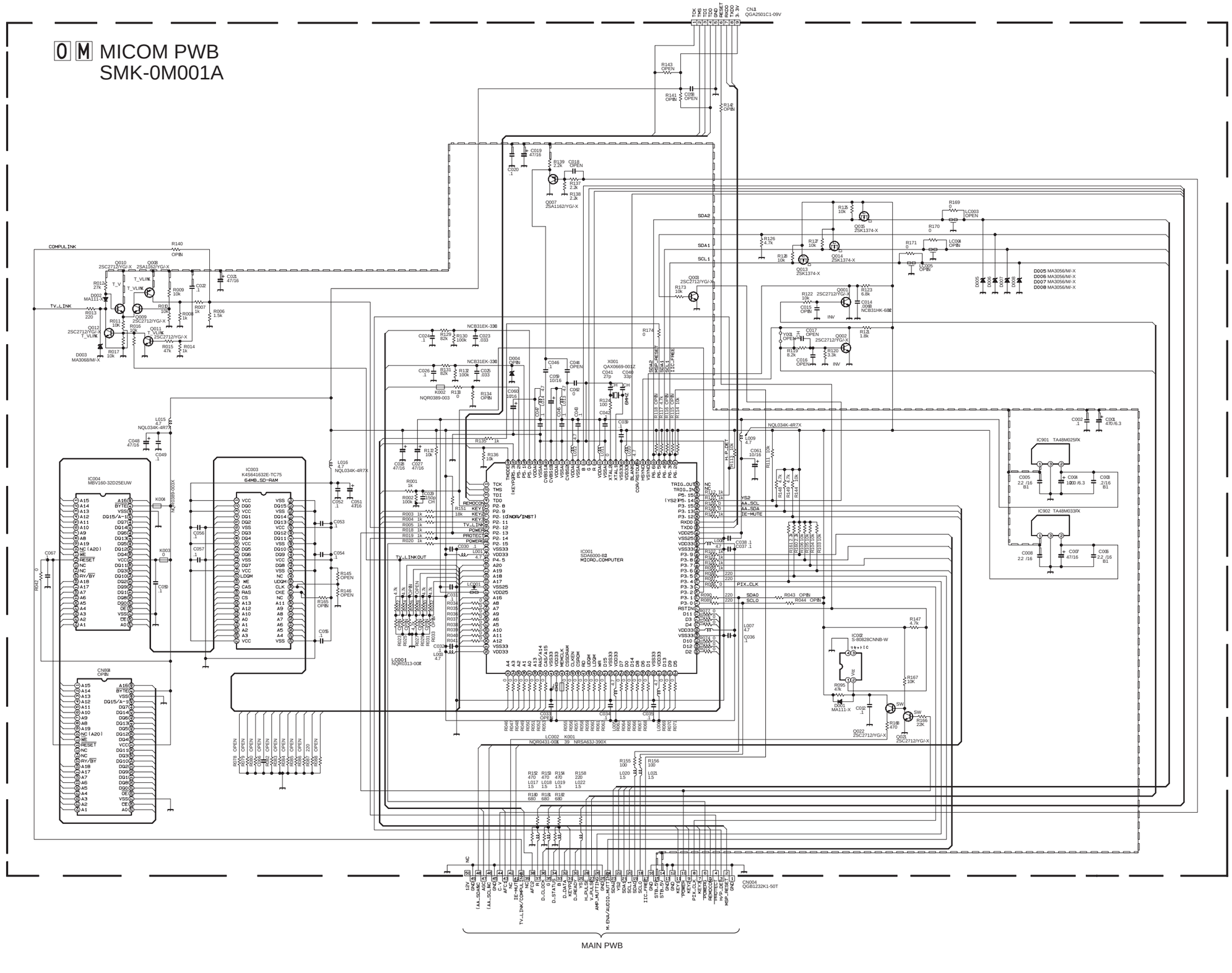


*1:	2SC2412/QR/-X
*2:	2SA1037AK/QR/-X
*3:	MA111-X
*4:	DTC124EKA-X
BW:	IB-BW
OPEN:	-

0 E SMK-0E001A EHT PWB

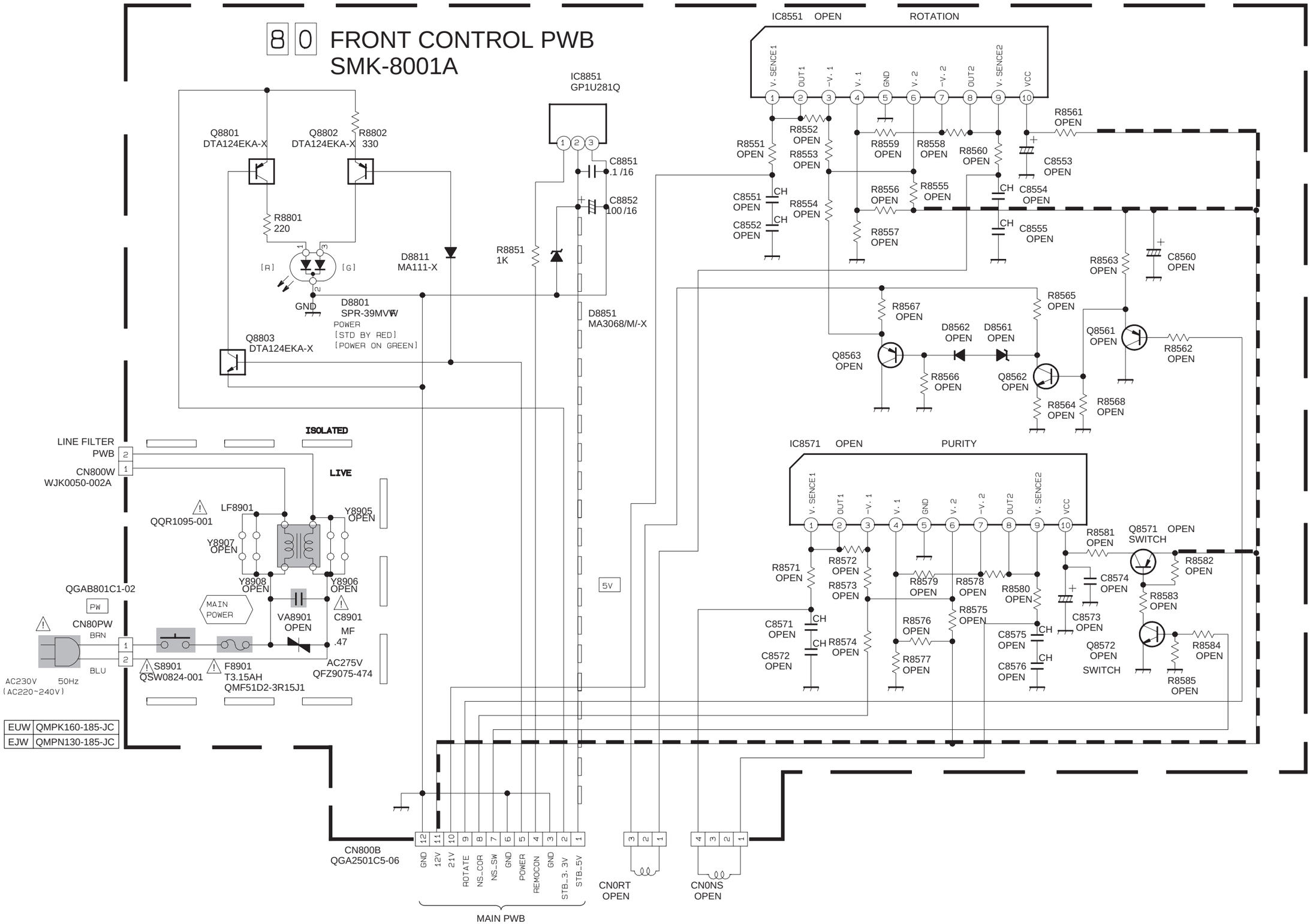
■ MICOM PWB CIRCUIT DIAGRAM

0 M MICOM PWB
SMK-0M001A

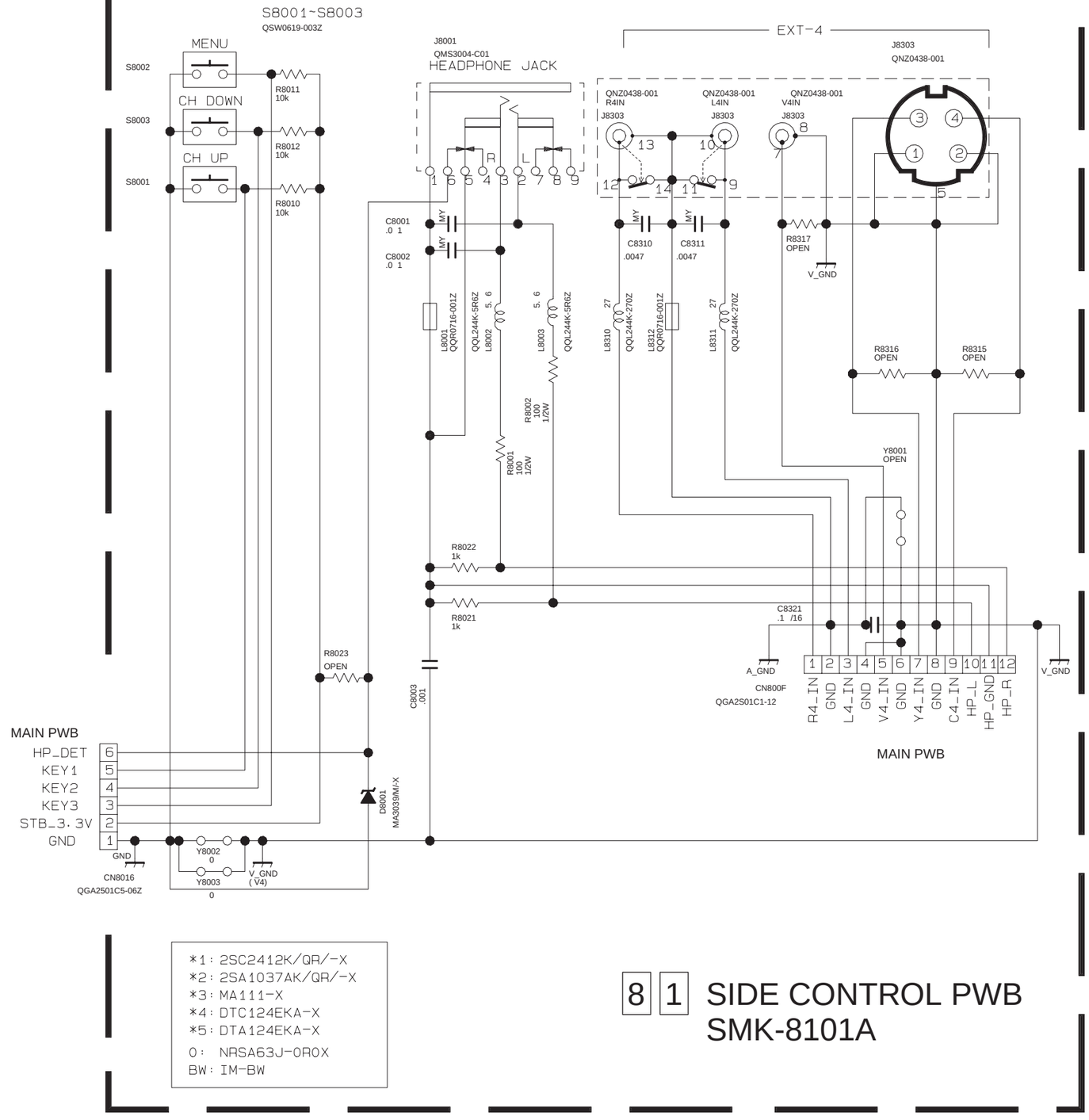


HV-32D25EUW
HV-32D25EJW

■ FRONT CONTROL PWB CIRCUIT DIAGRAM

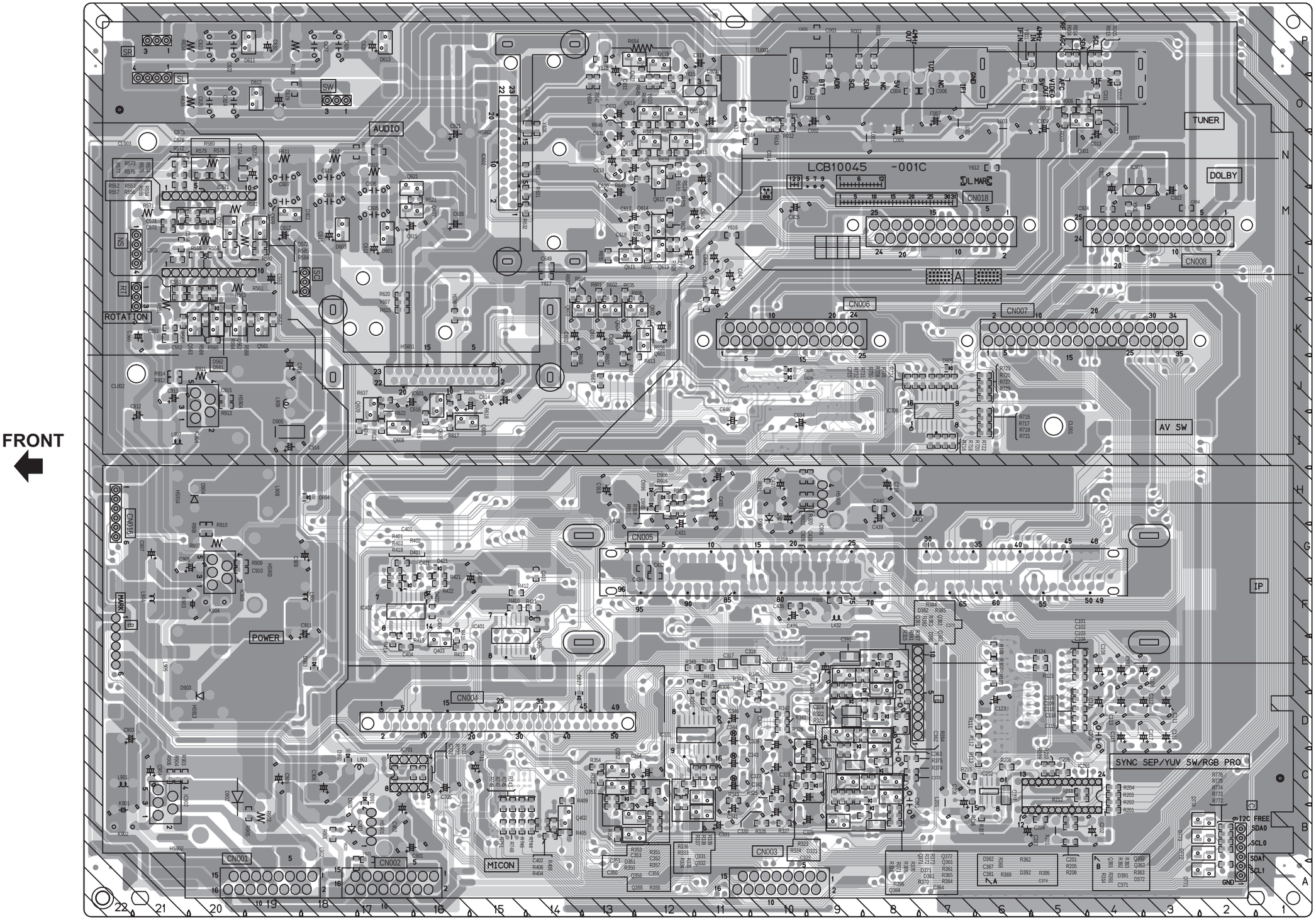


■ SIDE CONTROL PWB CIRCUIT DIAGRAM

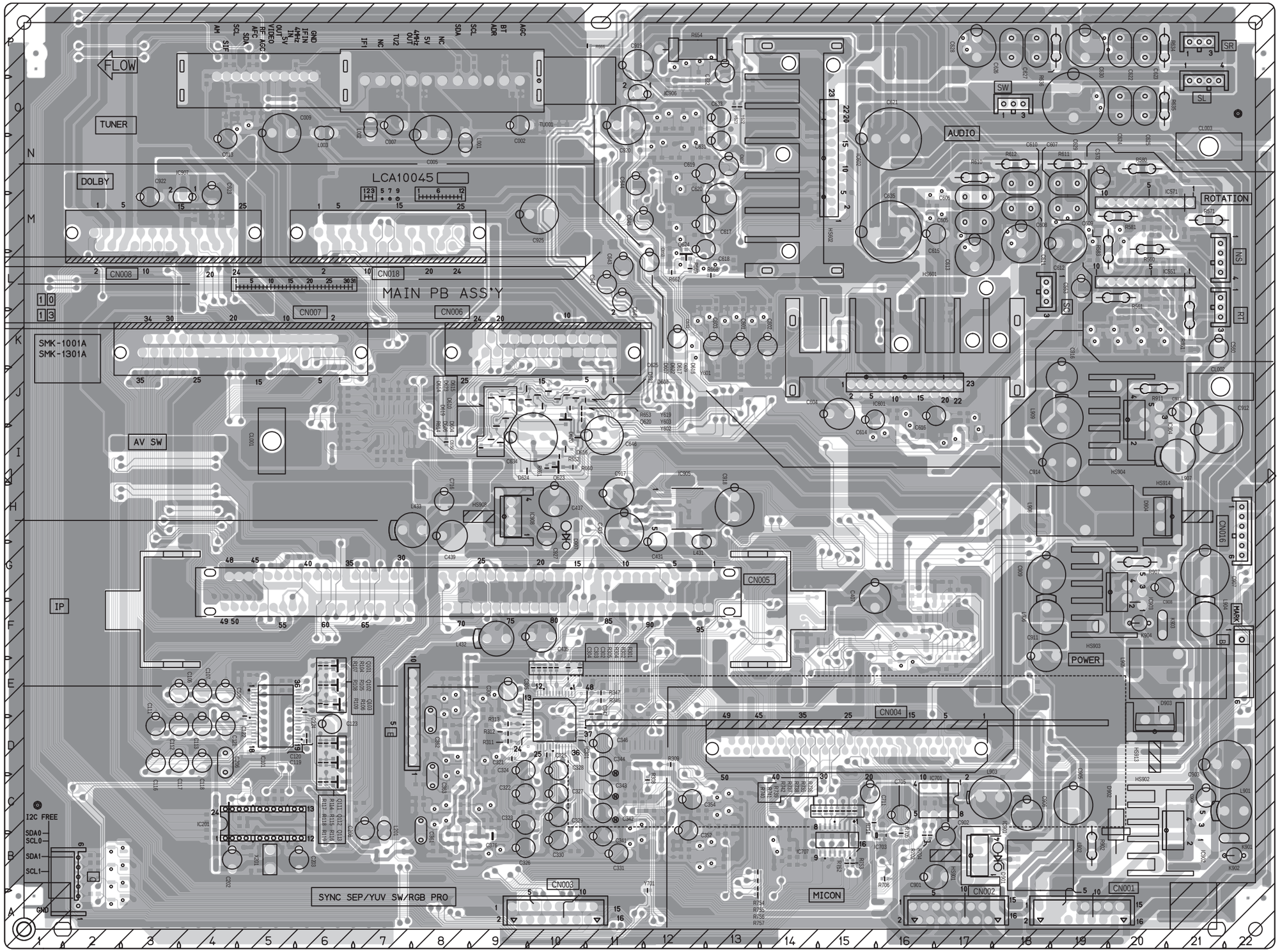


PATTERN DIAGRAMS

■ MAIN PWB PATTERN [SOLDER SIDE]

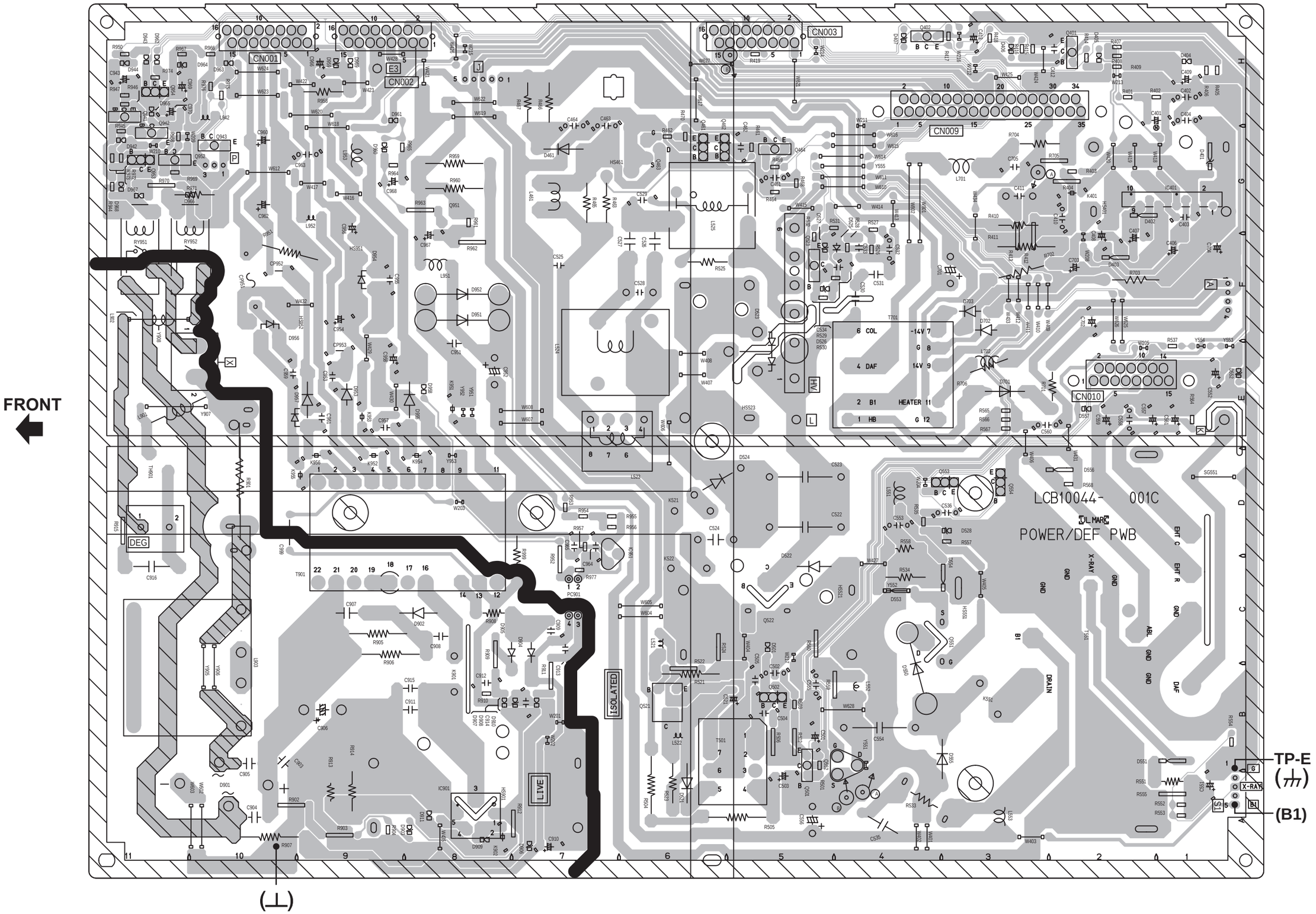


■ MAIN PWB PATTERN [PARTS SIDE]



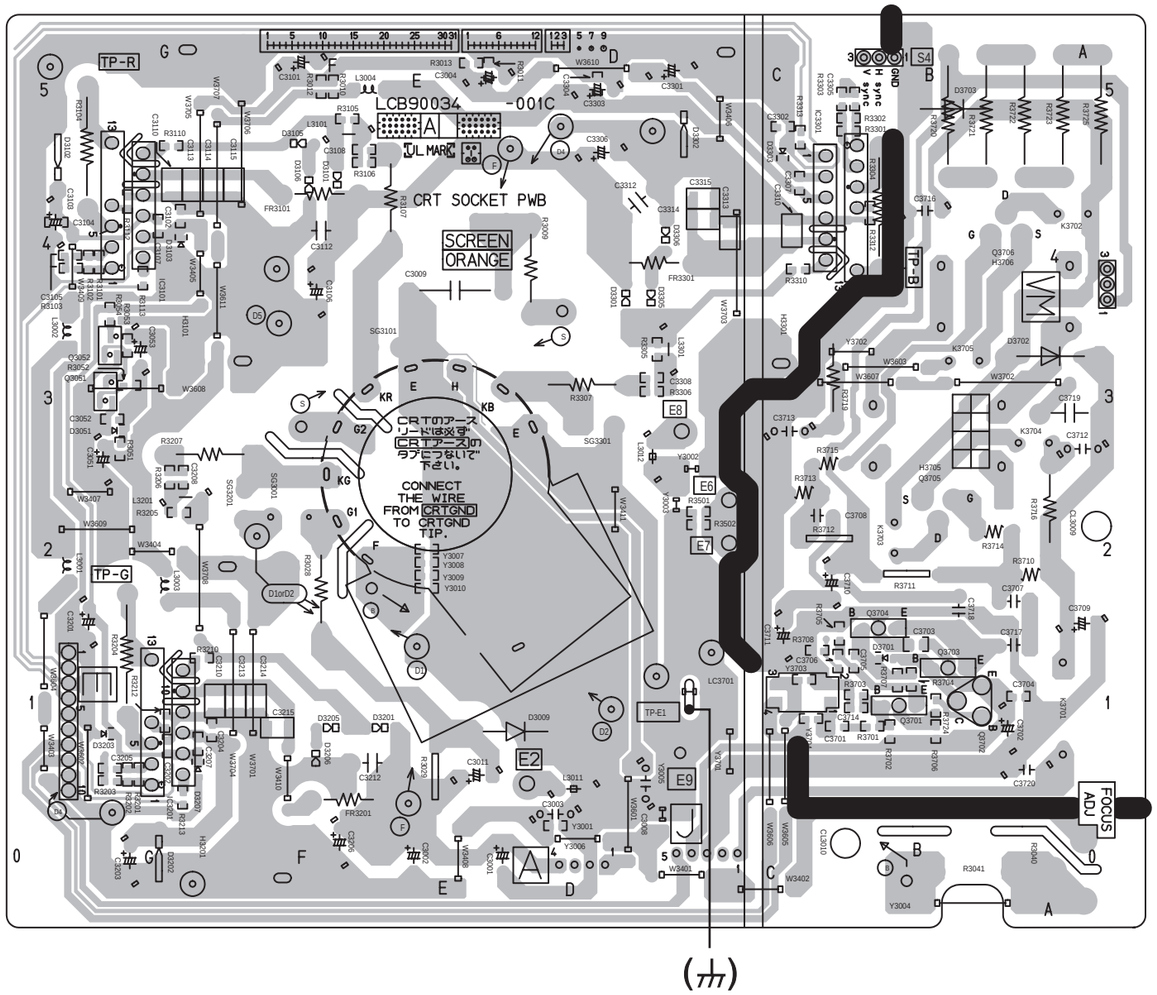
HV-32D25EUW
HV-32D25EJW

■ POWER&DEF PWB PATTERN

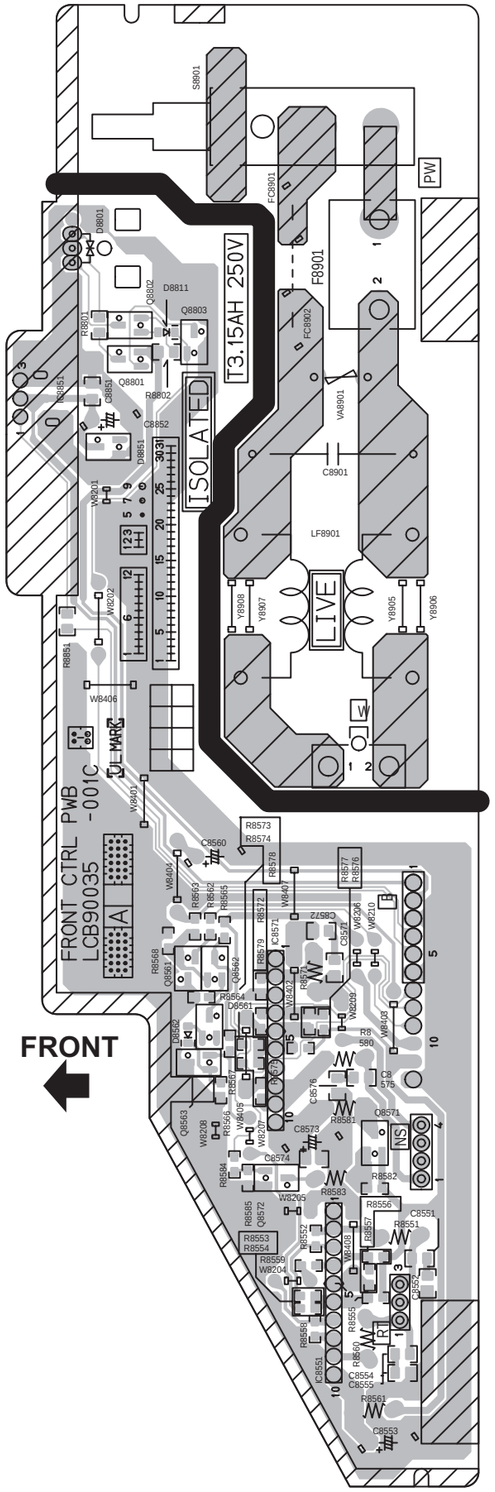


■ CRT SOCKET PWB PATTERN

TOP

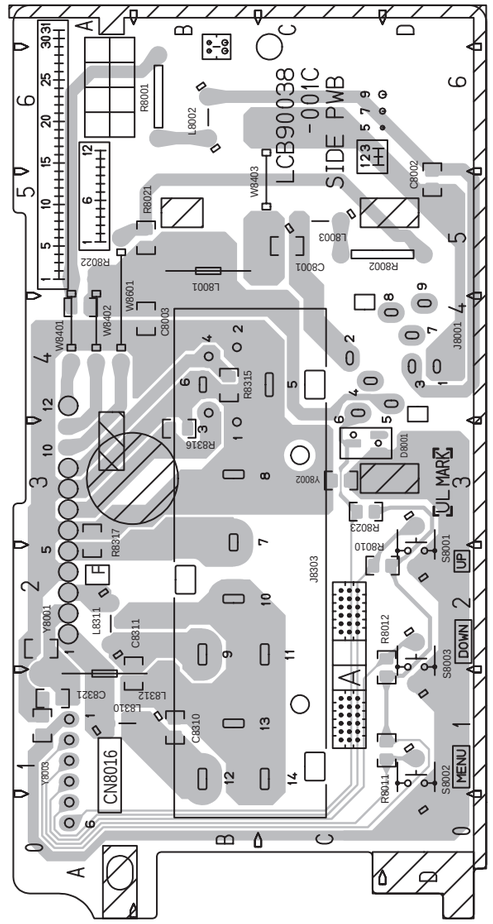


■ FRONT CONTROL PWB PATTERN



■ SIDE CONTROL PWB PATTERN

TOP

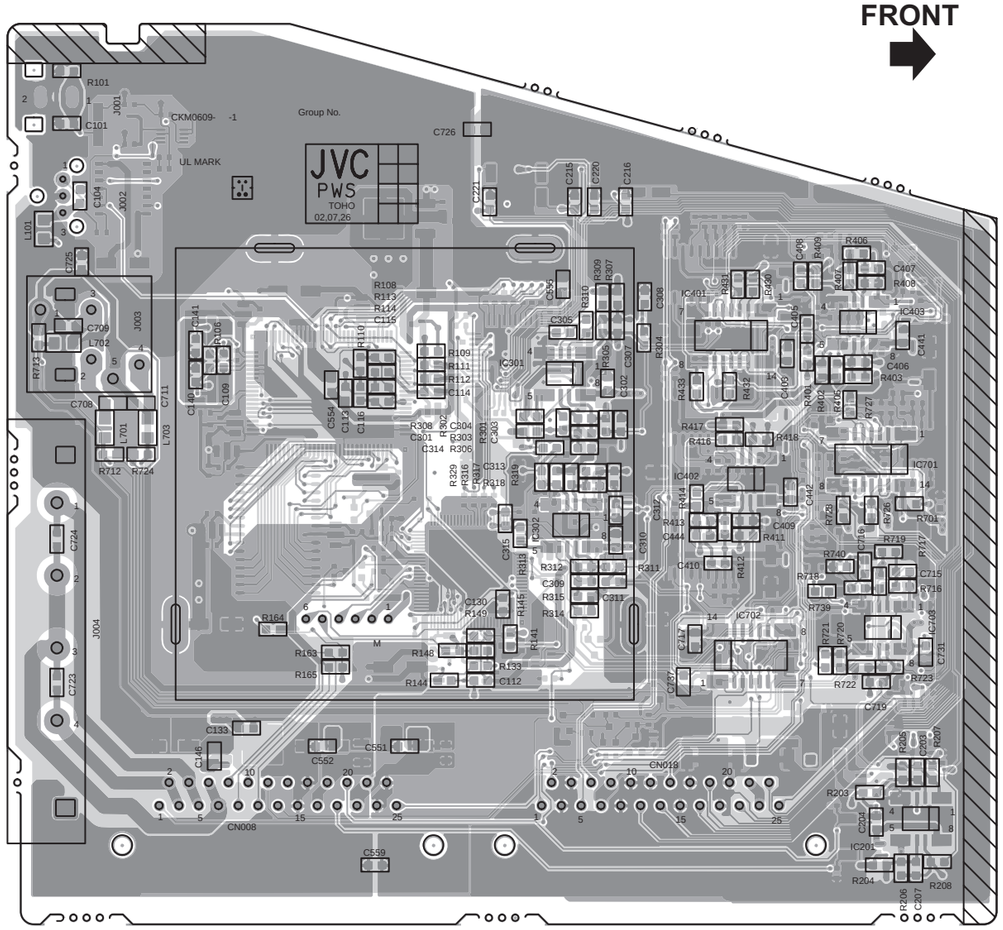


HV-32D25EUW
HV-32D25EJW

■ DOLBY PWB PATTERN [SOLDER SIDE]

TOP

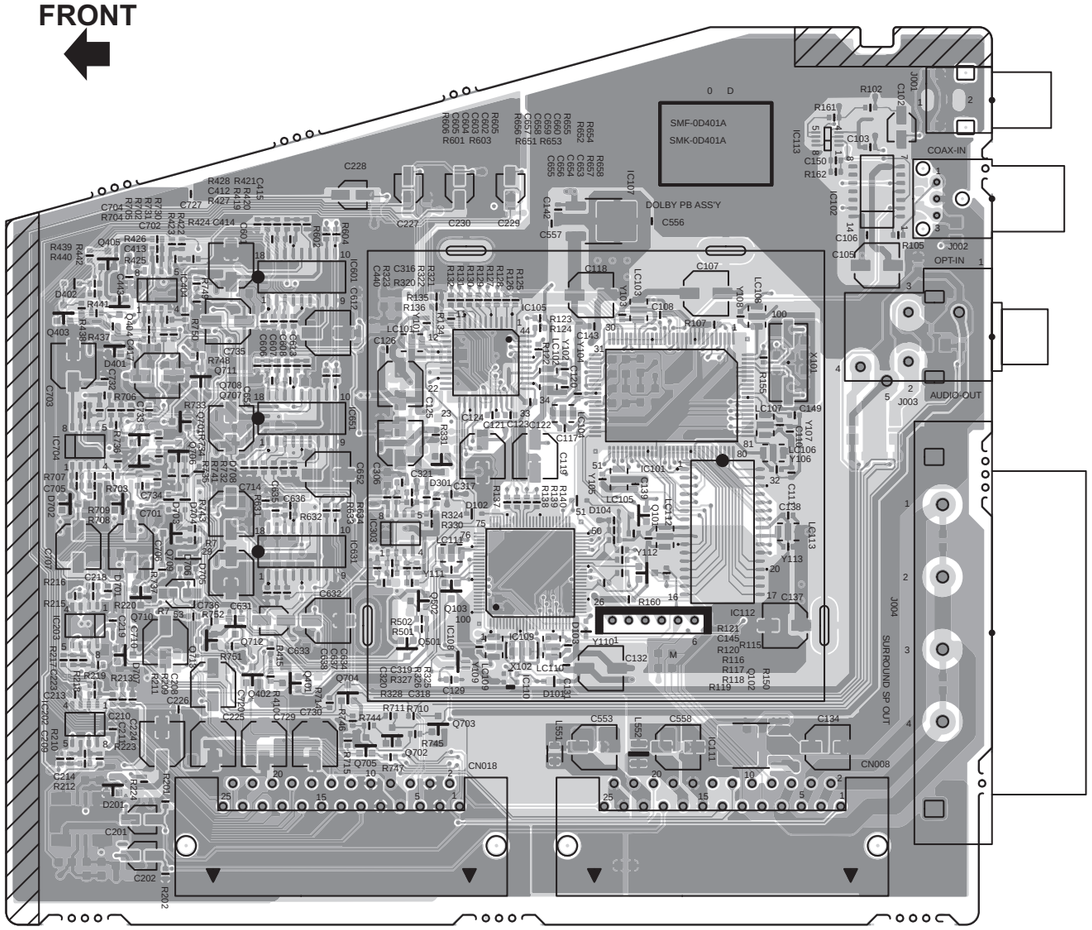
FRONT



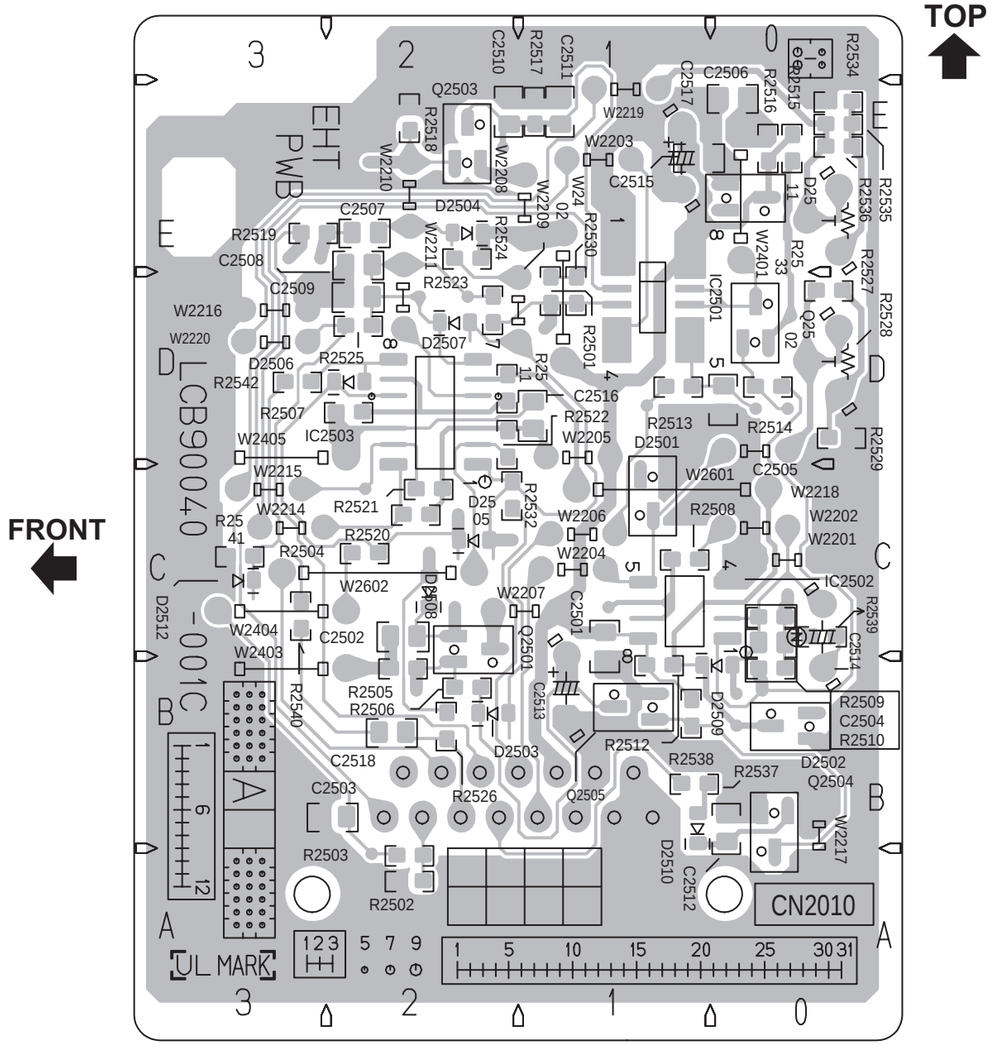
■ DOLBY PWB PATTERN [PARTS SIDE]

TOP

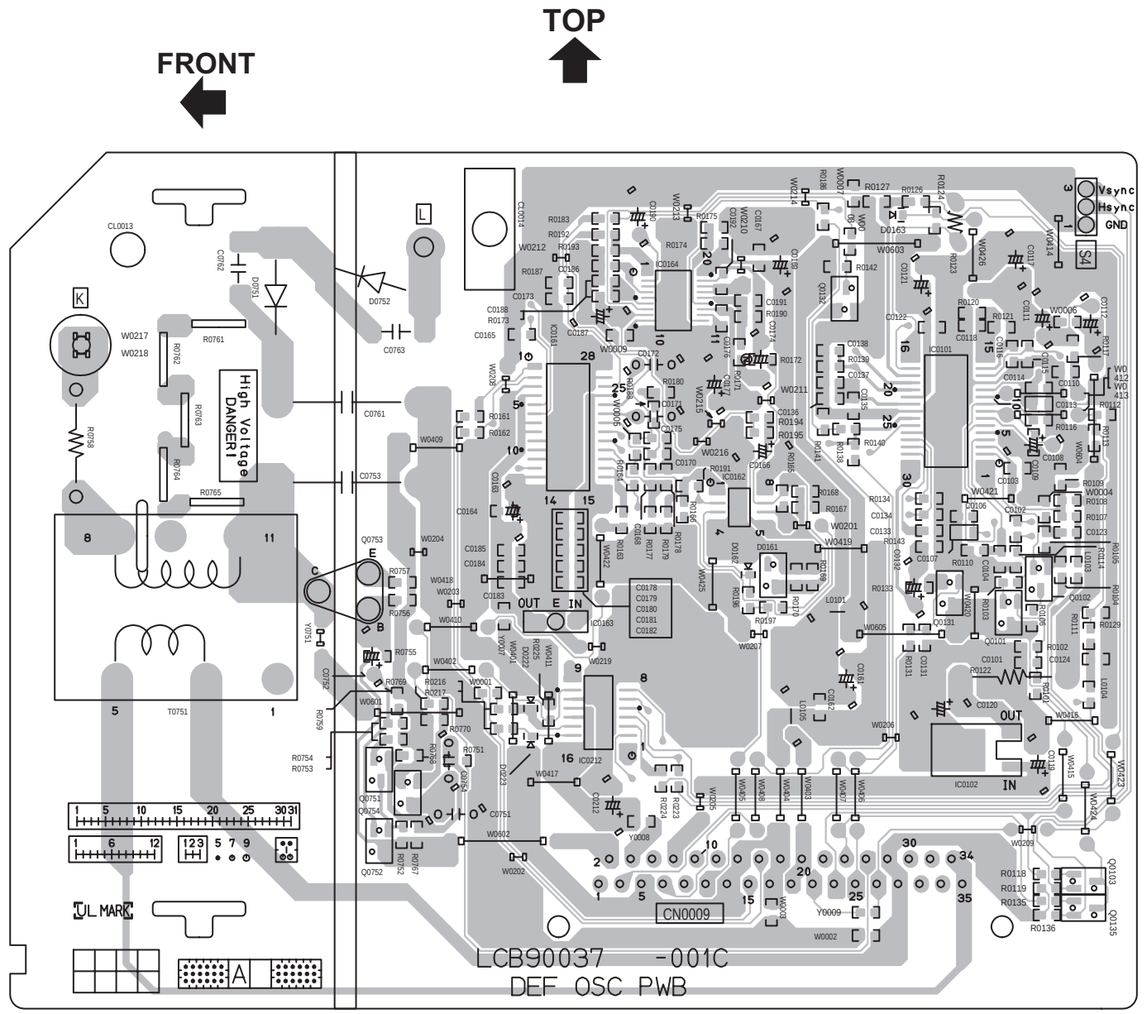
FRONT



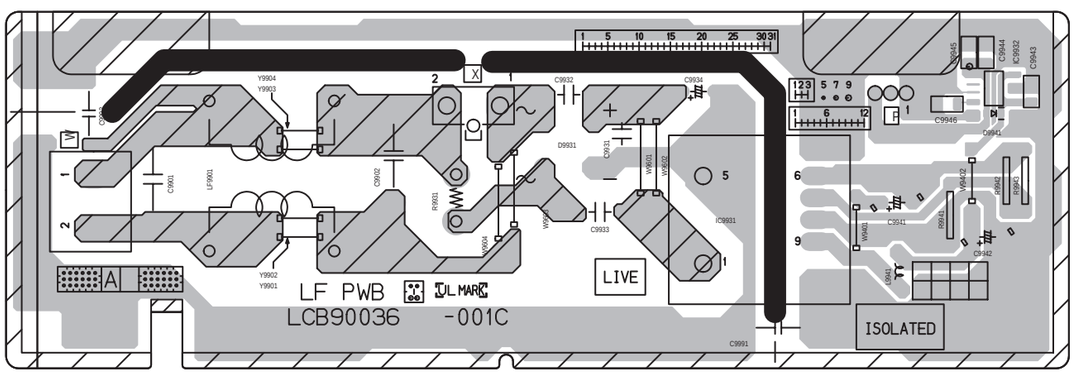
■ EHT PWB PATTERN



■ DEF OSC PWB PATTERN



■ LINE FILTER PWB PATTERN

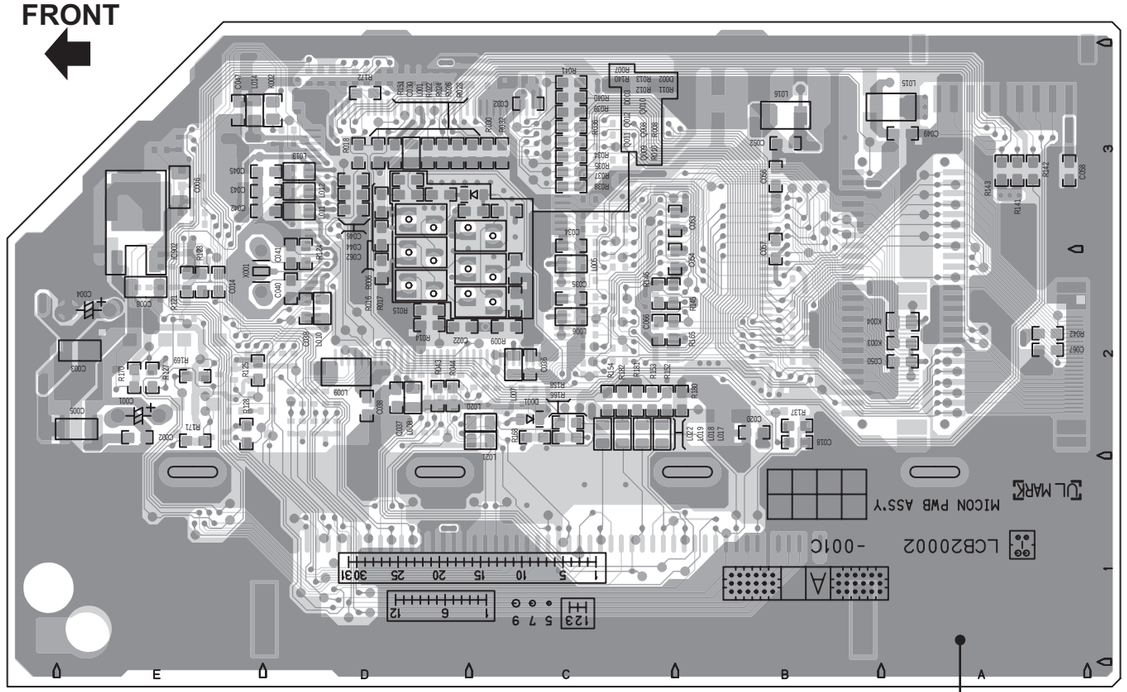


HV-32D25EUW
HV-32D25EJW

■ MICOM PWB PATTERN [SOLDER SIDE]

TOP

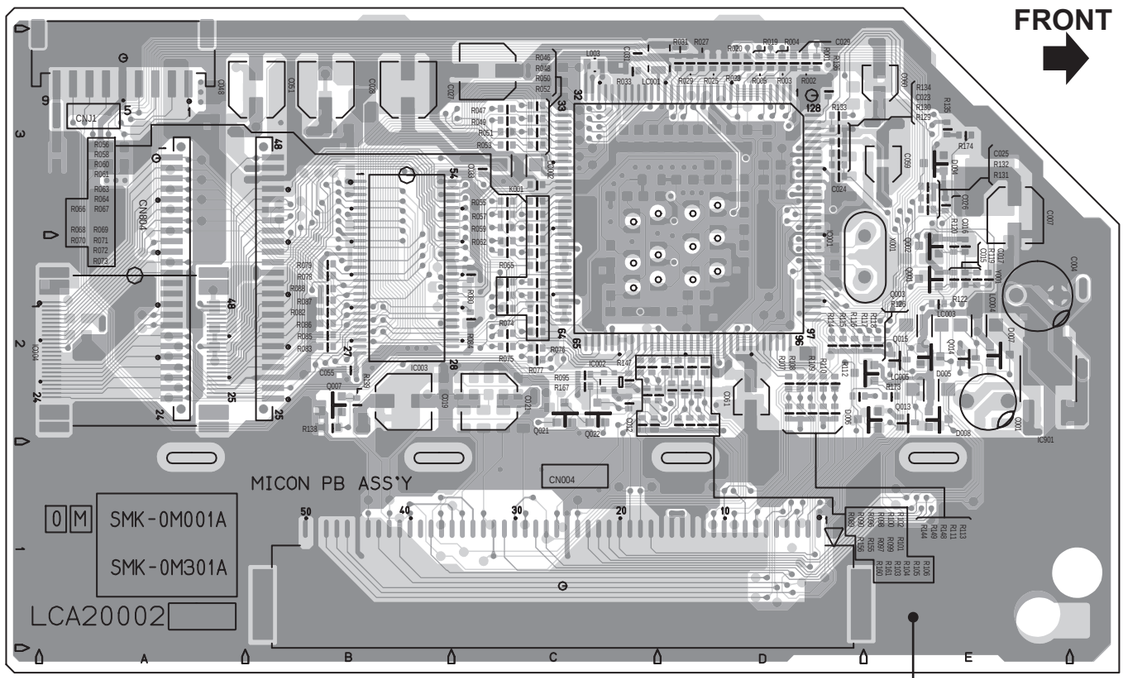
FRONT



■ MICOM PWB PATTERN [PARTS SIDE]

TOP

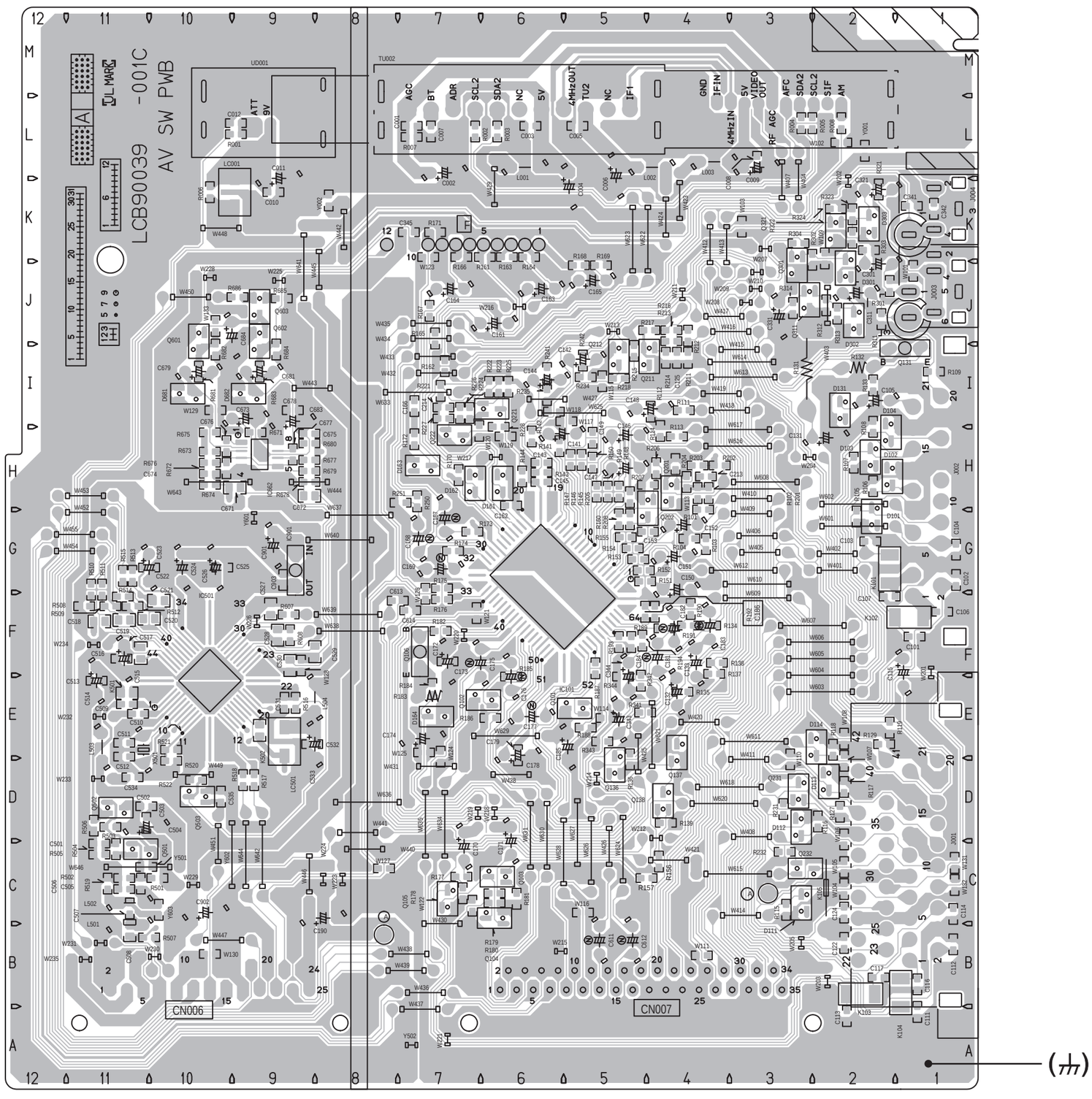
FRONT



■ AV SW PWB PATTERN

TOP

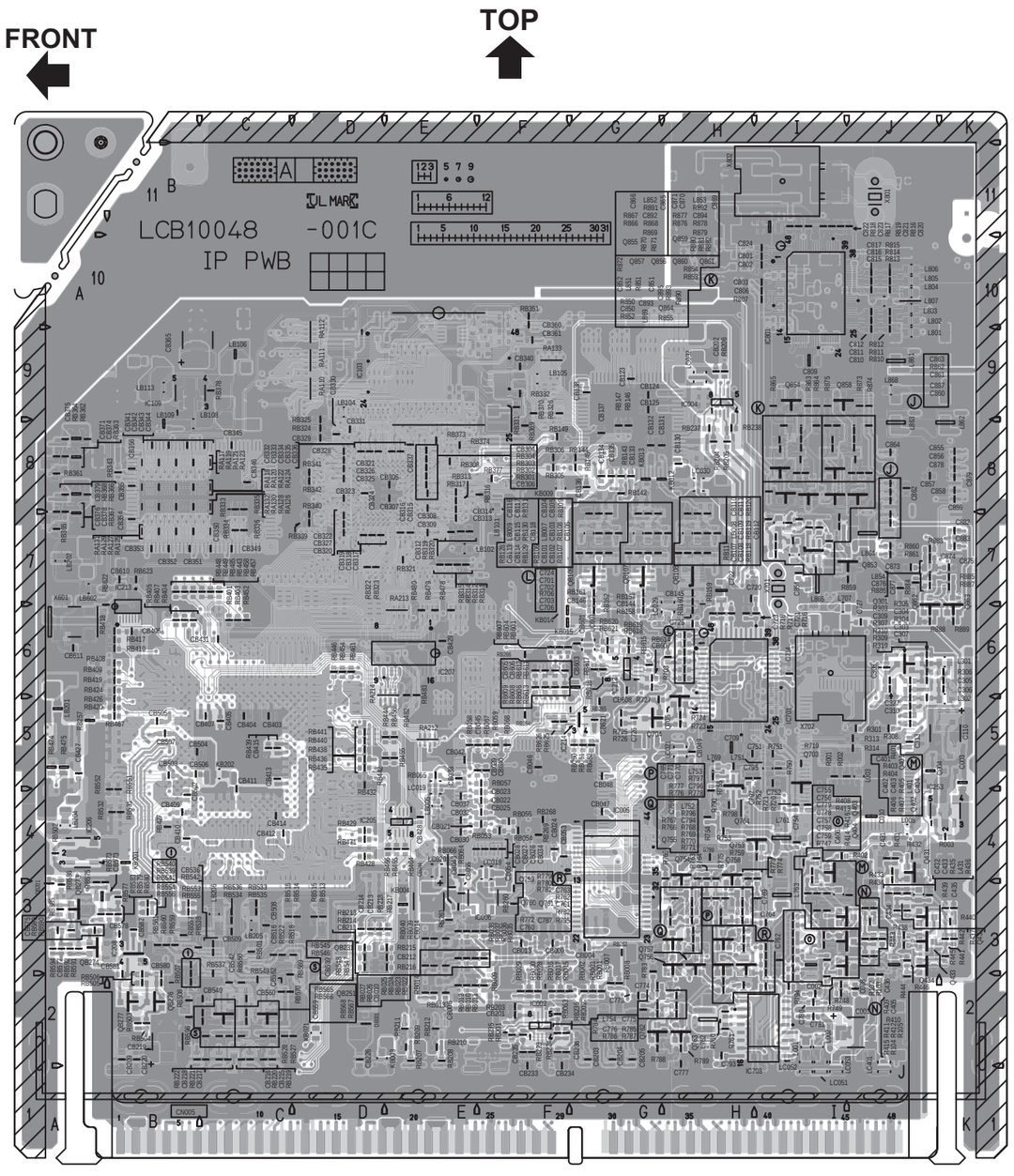
FRONT



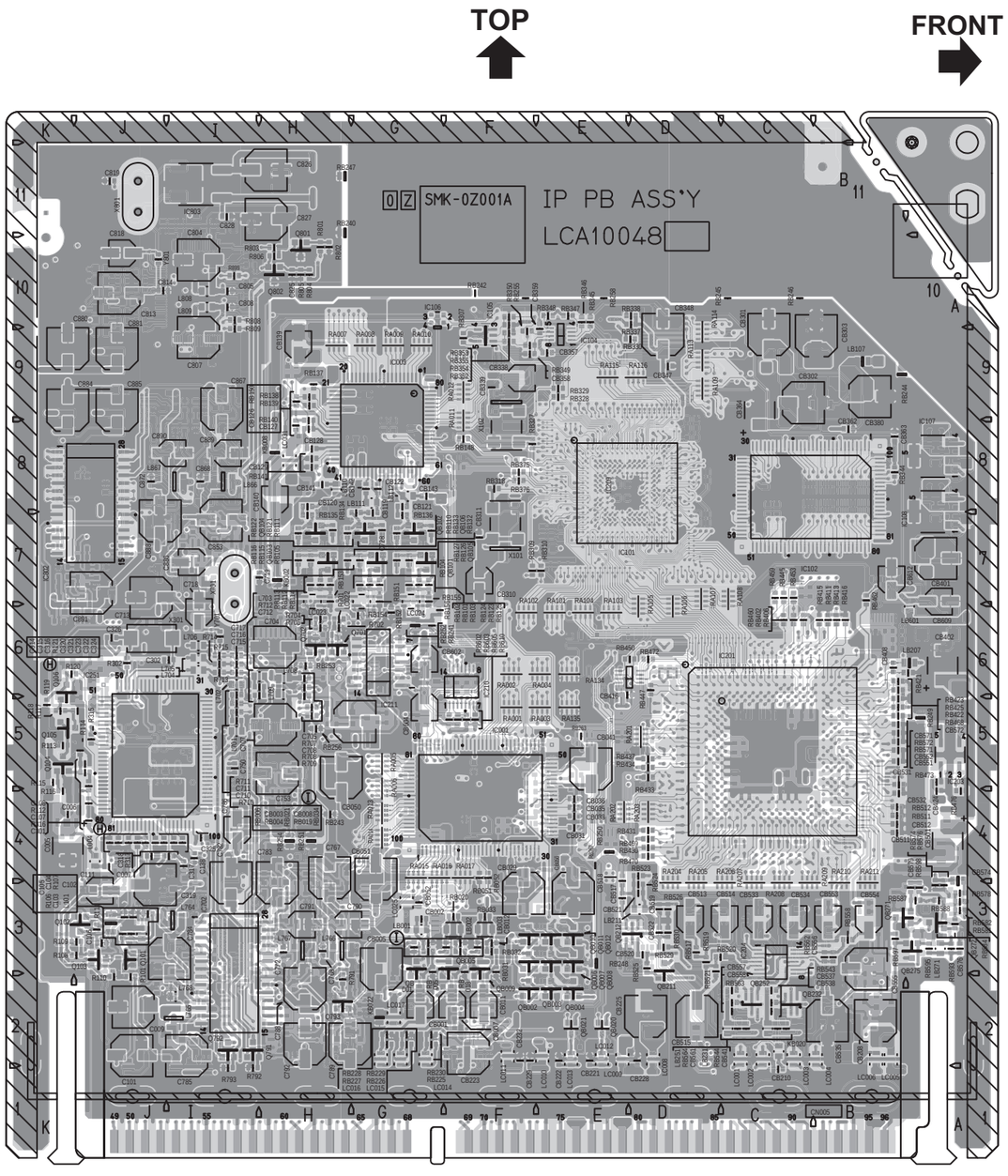
(⏚)

HV-32D25EUW
HV-32D25EJW

■ DIST PWB PATTERN [SOLDER SIDE]



■ DIST PWB PATTERN [PARTS SIDE]



VOLTAGE CHARTS

<MAIN>

PIN NO.	VOLTAGE (V)
IC101	
1	4.5
2	4.5
3	4.5
4	4.7
5	4.7
6	4.6
7	4.6
8	4.6
9	4.8
10	4.7
11	9.2
12	4.6
13	4.6
14	4.6
15	4.7
16	4.7
17	4.6
18	4.6
19	4.6
20	4.7
21	4.7
22	0
23	4.8
24	4.8
25	4.5
26	4.5
27	4.5
28	9.2
29	4.8
30	4.8
31	4.4
32	0
33	4.5
34	0
35	4.6
36	4.6
IC201	
1	0.3
2	0.1
3	0.4
4	0.1
5	0
6	6.5
7	5.2
8	9.2
9	1.3
10	0
11	0
12	0
13	1.3
14	0
15	0
16	4.6
17	4.5
18	0
19	2.2
20	5.2
21	2.1
22	0.2
23	0.2
24	0.6
IC202	
1	3.2
2	3.2
3	3.2
4	0
5	3.2
6	3.2
7	3.2
8	3.6
IC331	
1	0
2	0
3	0
4	0
5	0
6	2.6
7	2.6
8	0
9	0
10	0
11	0
12	0
13	5.2
14	4.8
15	4.8
16	5.2
IC401	
1	3.3
2	0
3	3.3
4	3.3
5	0
6	3.3
7	0
8	3.3
9	0
10	3.4
11	0
12	3.5
13	3.5
14	3.6
IC402	
1	3.8
2	0
3	3.0
4	3.4
5	3.4
6	3.4
7	0
8	3.4
9	3.4
10	0
11	3.3
12	3.3
13	3.3
14	3.4
IC551	
1	9.0
2	9.0
3	6.8
4	6.8
5	0
6	2.6
7	3.5
8	1.3
9	1.3
10	1.0
IC571	
1	0
2	0
3	0
4	6.8
5	0
6	5.5
7	5.5
8	5.6
9	4.6
10	12.6
IC601	
1	0
2	0
3	0
4	0
5	32.0
6	0
7	0
8	0
9	0
10	4.6
11	0
12	0
13	16.2
14	0
15	0
16	0
17	0
18	0
19	33.1
20	15.8
21	33.2
22	0
23	16.0
IC602	
1	0
2	0
3	0
4	0
5	26.3
6	0
7	0
8	0
9	0
10	4.4
11	0
12	0
13	13.0
14	0
15	4.6
16	0
17	0
18	0
19	28.0
20	12.8
21	28.3
22	0
23	12.6
IC701	
1	0
2	0
3	0
4	0
5	3.4
6	3.2
7	0
8	3.6
IC706	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	4.6
15	4.8
16	5.3
IC901	
1	15.0
2	13.0
3	0
4	15.0
IC904	
1	20.4
2	20.0
3	0
4	3.4
5	2.6
IC906	
1	20.0
2	15.6
3	0
IC907	
1	9.5
2	5.0
3	0
IC908	
1	5.0
2	2.8
3	0
4	2.4
Q001	
E	2.0
C	9.2
B	2.8
Q101	
E	3.9
C	0
B	4.5
Q102	
E	3.9
C	9.2
B	4.5
Q103	
E	3.8
C	9.2
B	4.4
Q111	
E	3.9
C	9.2
B	4.5
Q112	
E	3.8
C	9.2
B	4.5
Q113	
E	3.9
C	0
B	4.5
Q351	
E	0
C	0
B	0
Q352	
E	8.4
C	8.6
B	8.6
Q355	
E	0
C	0
B	0
Q371	
E	3.0
C	9.8
B	4.0
Q372	
E	3.0
C	9.8
B	4.0
Q381	
E	2.8
C	8.8
B	0
Q402	
E	0
C	3.2
B	0.8
Q561	
E	3.4
C	0
B	2.8
Q562	
E	2.6
C	11.0
B	3.3
Q563	
E	4.0
C	0
B	3.6
Q571	
E	10.4
C	0.8
B	12.0
Q572	
E	0
C	0
B	0
Q601	
E	0
C	0
B	0
Q602	
E	0
C	0
B	0
Q603	
E	0
C	0
B	0
Q604	
E	0
C	0
B	0
Q605	
E	0
C	4.4
B	0
Q606	0
E	0
C	0
B	0.8
Q608	
E	0
C	0
B	0
Q609	
E	0
C	4.8
B	0
Q611	
E	2.6
C	2.6
B	2.0
Q612	
E	0
C	0
B	0
Q613	
E	0
C	0
B	1.4
Q614	
E	0
C	0
B	1.4
Q615	
E	0
C	0
B	0
Q616	
E	0
C	4.8
B	0
Q617	
E	0
C	0
B	0
Q618	
E	0
C	4.8
B	0
Q624	
E	0
C	0
B	0
TU001	
1(AGC)	2.0
2(BT)	5.3
3(ADR)	0.0
4(SCL)	4.4
5(SDA)	4.5
6(NC)	0.0
7(5V)	5.1
8(4MHz OUT)	0.0
9(TU2)	34.2
10(NC)	0.0
11(IF1)	0.0
12(GND)	0.0
13(IFIN)	0.0
14(4MHz IN)	0.0
15(5V)	5.1
16(VIDEO OUT)	1.8
17(RF AGC)	2.0
18(AFC)	1.5
19(SW1)	0.0
20(SW0)	0.0
21(SIF)	0.0
22(AM)	2.6
CN004	
1	0.0
2	0.0
3	2.9
4	2.6
5	2.7
6	0.0
7	2.6
8	0.0
9	2.6
10	0.0
11	2.6
12	0.0
13	0.0
14	5.0
15	5.0
16	0.0
17	0.0
18	2.8
19	3.0
20	4.4
21	4.4
22	0.0
23	4.4
24	0.0
25	0.0
26	3.0
27	0.0
28	2.6
29	0.0
30	1.2
31	0.0
32	1.2
33	0.0
34	0.0
35	0.0
36	2.6
37	0.0
38	2.0
39	0.0
40	2.7
41	3.3
42	-
43	4.2
44	2.0
45	0.0
46	0.0
47	1.0
48	0.0
49	0.0
50	0.0
CN005	
1	0.0
2	2.8
3	0.0
4	10.2
5	3.3
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	1.0
12	0.0
13	0.0
14	4.4
15	4.4
16	0.0
17	3.6
18	3.4
19	3.5
20	0.0
21	5.1
22	5.1
23	0.0
24	0.0
25	0.0
26	4.0
27	4.2
28	0.0
29	0.0
30	4.0
31	4.0
32	0.5
33	0.0
34	2.0
35	1.5
36	0.6
37	0.0
38	1.9
39	1.9
40	2.0
41	0.0
42	0.0
43	0.0
44	0.0
45	0.0
46	0.0
47	0.0
48	0.0
49	3.7
50	4.4
51	3.6
52	4.6
53	0.0
54	0.0
55	0.0
56	0.0
57	0.0
58	0.0
59	0.0
60	1.9
61	0.0
62	0.0
63	0.0
64	1.9
65	0.0
66	0.0
67	0.0
68	4.0
69	0.0
70	0.0
71	0.0
72	4.0
73	0.0
74	0.0
75	0.0
76	5.1
77	0.0
78	0.0
79	3.5
80	3.5
81	0.0
82	4.4
83	4.4
84	0.0
85	0.0
86	1.0
87	0.0
88	2.8
89	2.6
90	2.5
91	5.0
92	4.0
93	9.4
94	0.0
95	2.7
96	0.0

<AW SW>

PIN NO.	VOLTAGE (V)
IC101	
1	4.0
2	2.0
3	4.0
4	1.9
5	3.1
6	4.2
7	0.0
8	4.0
9	1.9
10	0.0
11	1.9
12	0.0
13	4.3
14	0.0
15	4.0
16	1.9
17	4.0
18	1.9
19	0.0
20	4.2
21	0.0
22	4.2
23	1.9
24	4.0
25	1.9
26	3.0
27	0.0
28	0.0
29	0.0
30	4.0
31	1.9
32	0.0
33	4.2
34	4.2
35	0.0
36	0.0
37	4.6
38	4.6
39	4.0
40	4.6
41	6.0
42	9.4
43	4.6
44	3.8
45	4.6
46	4.0
47	4.5
48	0.0
49	4.8
50	3.8
51	3.0
52	4.6
53	4.6
54	4.6
55	3.8
56	4.3
57	0.0
58	4.4
59	2.0
60	4.0
61	0.0
62	1.9
63	4.6
64	1.9
IC501	
1	5.1
2	1.2
3	1.0
4	0.0
5	0.5
6	2.0
7	0.0
8	0.0
9	0.0
10	2.2
11	5.0
12	4.4
13	4.2
14	0.0
15	0.0
16	0.0
17	0.0
18	0.0
19	5.0
20	0.0
21	0.0
22	4.0
23	0.0
24	0.0
25	0.0
26	0.0
27	0.0
28	0.0
29	0.0
30	4.0
31	4.0
32	0.0
33	8.0
34	2.2
35	0.0
36	1.0
37	1.8
38	2.0
39	0.0
40	1.8
41	1.9
42	2.6
43	2.4
44	0.0
IC662	
1	4.6
2	4.6
3	4.6
4	0.0
5	4.6
6	4.6
7	4.6
8	9.2
IC901	
1	8.0
2	8.0
3	0.0
Q101	
E	3.6
C	9.4
B	4.3
Q102	
E	3.1
C	9.4
B	3.7
Q103	
E	0.0
C	0.0
B	0.0
Q104	
E	0.0
C	0.0
B	0.0
Q105	
E	0.0
C	0.0
B	0.0
Q106	
E	5.2
C	9.4
B	5.9
Q131	
E	3.4
C	0.0
B	2.7
Q136	
E	0.0
C	0.0
B	0.0
Q137	
E	0.0
C	0.0
B	0.0
Q138	
E	0.0
C	0.0
B	0.0
Q201	
E	0.0
C	4.3
B	0.0
Q202	
E	0.0
C	3.7
B	0.0
Q211	
E	0.0
C	6.8
B	0.0
Q212	
E	0.0
C	6.8
B	0.0
Q221	
E	0.0
C	6.8
B	0.0
Q222	
E	0.0
C	6.8
B	0.0
Q301	
E	3.8
C	0.0
B	4.4
Q311	
E	3.1
C	9.2
B	3.7
Q321	
E	3.1
C	9.2
B	3.7
Q501	
E	2.2
C	6.7
B	2.9
Q502	
E	6.1
C	9.2
B	6.8
Q601	
E	0.0
C	0.0
B	0.0
Q602	
E	0.0
C	0.0
B	0.0
Q603	
E	0.0
C	0.0
B	0.0
TU002	
1(AGC)	4.0
2(BT)	32.5
3(ADR)	4.9
4(SCL)	4.5
5(SDA)	4.6
6(NC)	0.0
7(5V)	4.9
8(4MHz OUT)	0.0
9(TU2)	32.6
10(NC)	0.0
11(IF1)	0.0
12(GND)	0.0
13(IFIN)	0.0
14(4MHz IN)	0.0
15(5V)	5.0
16(VIDEO OUT)	2.1
17(RF AGC)	4.0
18(AFC)	2.3
19(SW1)	0.0
20(SW0)	4.6
21(SIF)	2.1
22(AM)	2.4

<EHT>

PIN NO.	VOLTAGE (V)
IC2501	
1	0
2	-
3	0
4	0
5	8.0
6	0.8
7	0.8
8	12.0
Q2502	
E	10.2
C	0.8
B	9.6
Q2503	
E	12.0
C	11.1
B	11.4
Q2504	
E	0
C	0
B	0.6

<CRT SOCKET>

PIN NO.	VOLTAGE (V)
IC3101	
1	2.2
2	2.9
3	3.6
4	4.3
5	2.5
6	11.6
7	0.2
8	0
9	0
10	212.4
11	0
12	165.6
13	164.9
IC3201	
1	2.5
2	3.2
3	3.6
4	4.3
5	2.6
6	11.6
7	0.3
8	0
9	0
10	212.3
11	0
12	161.5
13	160.5
IC3301	
1	2.3
2	3.0
3	3.6
4	4.3
5	2.5
6	11.6
7	0.3
8	0
9	0
10	0
11	0
12	163.2
13	162.5
Q3701	
E	3.4
C	36.7
B	4.1
Q3702	
E	37.4
C	17.0
B	36.7
Q3703	
E	16.5
C	37.4
B	17.0
Q3704	
E	16.6
C	0
B	16.3
Q3705	
G	181.5
S	184.9
D	91.3
Q3706	
G	1.3
S	0
D	9.13

<DOLBY>

PIN NO.	VOLTAGE (V)
31	0
32	0
33	0
34	0
35	0
36	3.2
37	0
38	0
39	0
40	1.2
41	0
42	3.7
43	1.2
44	0
45	0
46	0
47	3.2
48	3.2
49	3.2
50	0
51	0
52	0
53	3.3
54	0
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	3.2
65	0
66	3.2
67	3.3
68	0
69	0
70	0
71	3.2
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	3.2
82	3.3
83	0
84	0
85	0
86	0
87	0
88	3.3
89	0
90	0
91	0
92	3.2
93	0
94	0
95	0
96	0
97	0
98	0
99	0
100	0
IC110	
1	3.3
2	3.2
3	0
4	0
IC111	
1	5.0
2	0
3	3.3
IC112	
1	3.2
2	3.2
3	3.0
4	3.0
5	0
6	0
7	2.8
8	3.3
9	0
10	2.7
11	2.8
12	0
13	3.0
14	3.0
15	3.1
16	3.1
17	3.0
18	3.0
19	3.0
20	3.2
21	3.2

PIN NO.	VOLTAGE (V)
IC102	
1	3.7
2	1.7
3	1.8
4	1.6
5	3.3
6	0.4
7	0
8	0.4
9	0.4
10	0.4
11	0
12	0.3
13	0
14	3.3
IC105	
1	0
2	0
3	0
4	1.6
5	1.7
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	5.0
15	0
16	0
17	0
18	0
19	0
20	5.0
21	0
22	0
23	2.5
24	2.5
25	2.5
26	2.5
27	0
28	2.5
29	0
30	5.2
31	5.2
32	5.2
33	0
34	2.5
35	5.0
36	5.0
37	0
38	0
39	1.4
40	0
41	3.3
42	3.3
43	0
44	0
IC107	
1	5.0
2	0
3	3.3
IC108	
1	3.3
2	3.2
3	0
4	5.0
5	5.0
IC109	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	3.3
10	1.7
11	3.3
12	0
13	3.3
14	0.3
15	3.3
16	0
17	0
18	0
19	0
20	0
21	3.0
22	3.2
23	3.2
24	0
25	0
26	0
27	0
28	0
29	0
30	0

PIN NO.	VOLTAGE (V)
IC101	
1	3.2
2	0
3	3.1
4	3.3
5	0
6	3.2
7	3.1
8	3.2
9	3.2
10	3.2
11	3.2
12	0
13	0
14	1.6
15	1.6
16	1.2
17	0.6
18	0
19	0
20	0
21	0
22	1.9
23	0
24	3.3
25	1.6
26	1.6
27	3.3
28	3.3
29	0
30	0
31	0
32	3.3
33	3.3
34	1.6
35	0
36	3.3
37	1.6
38	3.2
39	3.3
40	1.6
41	3.3
42	3.3
43	1.6
44	3.3
45	0
46	0
47	1.4
48	0
49	0
50	3.2
51	0
52	3.2
53	3.2
54	2.7
55	2.7
56	2.7
57	2.7
58	0
59	2.7
60	2.7
61	2.7
62	0
63	3.2
64	3.2
65	3.1
66	0
67	3.0
68	3.0
69	3.0
70	3.0
71	3.3
72	3.0
73	3.0
74	3.0
75	3.2
76	3.2
77	3.2
78	0
79	3.3
80	0
81	0
82	3.3
83	3.2
84	3.2
85	0
86	0
87	0
88	0
89	0
90	3.2
91	1.0
92	3.2
93	3.2
94	0
95	0
96	0
97	0
98	1.3
99	1.3
100	3.3

PIN NO.	VOLTAGE (V)
22	2.8
23	2.7
24	3.3
25	0
26	2.7
27	2.8
28	0
29	0
30	0
31	3.1
32	0
IC113	
1	0.4
2	1.7
3	1.6
4	0
5	0
6	1.5
7	3.3
8	3.3
IC202	
1	9.2
2	9.2
3	9.2
4	0
5	9.2
6	9.2
7	9.2
8	17.4
IC203	
1	9.2
2	9.2
3	9.2
4	0
5	9.2
6	9.2
7	9.2
8	17.4
IC303	
1	9.2
2	9.2
3	0
4	0
5	9.1
6	9.2
7	9.2
8	17.4
IC404	
1	9
2	9.1
3	9.1
4	0
5	9.1
6	9.1
7	8.9
8	17.4
IC601	
1	4.6
2	4.6
3	4.6
4	0.3
5	4.6
6	0.3
7	0
8	4.6
9	0
10	0
11	4.6
12	9.2
13	4.6
14	4.6
15	0
16	4.6
17	0
18	0
IC631	
1	4.6
2	4.6
3	4.6
4	0.3
5	4.6
6	0.3
7	9.2
8	4.6
9	0
10	4.6
11	4.5
12	9.2
13	4.7
14	4.7
15	4.6
16	4.7
17	4.6
18	4.7
IC651	
1	4.6
2	4.6
3	4.6
4	0.4
5	4.6
6	0.5

PIN NO.	VOLTAGE (V)
7	4.6
8	4.6
9	0
10	4.6
11	4.6
12	9.2
13	4.6
14	4.6
15	4.6
16	4.6
17	4.6
18	4.6
IC704	
1	9.2
2	9.2
3	9.1
4	0
5	9.1
6	9.2
7	9.2
8	17.4
Q101	
E	3.3
C	3.2
B	0
Q102	
E	0
C	0
B	3.3
Q103	
E	0
C	0
B	3.2
Q401	
E	0
C	0
B	3.3
Q402	
E	0
C	14.4
B	0
Q501	
E	0
C	0
B	8.0
Q502	
E	0
C	8.0
B	0
Q701	
E	0
C	9.9
B	0
Q702	
E	0
C	0
B	0
Q703	
E	0
C	0
B	-0.1
Q704	
E	0
C	0
B	0
Q705	
E	0
C	0
B	0
Q706	
E	6.7
C	6.6
B	6.1
Q707	
E	0
C	0
B	1.2
Q708	
E	0
C	0
B	1.2
Q709	
E	0.2
C	-0.2
B	0
Q710	
E	0
C	0
B	-0.3
Q711	
E	0
C	0
B	9.9
Q712	
E	0
C	17.4
B	0
Q713	
E	0
C	0
B	14.4

PIN NO.	VOLTAGE (V)
Q702	
E	0
C	0
B	0
Q703	
E	0
C	0
B	-0.1
Q704	
E	0
C	0
B	0

<DEF OSC>

PIN NO.	VOLTAGE (V)
IC0101	
1	4.7
2	0.1
3	0.0
4	7.4
5	0.0
6	0.1
7	0.1
8	0.1
9	0.1
10	6.6
11	0.1
12	0.0
13	9.3
14	9.1
15	9.6
16	2.6
17	0.0
18	0.6
19	4.9
20	7.0
21	11.9
22	6.0
23	0.0
24	0.0
25	0.1
26	0.0
27	1.9
28	-
29	5.5
30	6.0
IC0102	
1	14.9
2	0.0
3	12.1
IC0161	
1	4.2
2	4.3
3	0.0
4	5.0
5	8.0
6	0.0
7	5.0
8	0.0
9	0.0
10	0.0
11	0.0
12	3.2
13	0.0
14	0.0
15	12.3
16	5.2
17	5.1
18	4.0
19	0.0
20	2.0
21	3.9
22	2.5
23	1.2
24	0.0
25	12.0
26	3.2
27	0.0
28	0.0
IC0163	
1	12.2
2	5.2
3	0.0
IC0164	
1	4.0
2	1.8
3	0.0
4	4.6
5	0.0
6	2.0
7	0.0
8	9.3
9	0.0
10	0.0
11	0.0
12	5.4
13	0.0
14	12.0
15	1.8
16	4.4

PIN NO.	VOLTAGE (V)
17	0.0
18	0.0
19	4.0
20	14.0
IC0212	
1	0.6
2	0.6
3	2.2
4	2.5
5	0.6
6	0.5
7	0.0
8	0.0
9	0.6
10	1.1
11	0.0
12	5.2
13	5.2
14	4.4
15	4.2
16	4.2
Q0101	
E	0.1
C	0.0
B	0.2
Q0102	
E	0.0
C	11.8
B	0.3
Q0103	
E	0.2
C	11.9
B	0.1
Q0131	
E	0.0
C	11.9
B	0.0
Q0132	
E	0.0
C	4.2
B	0.0
Q0135	
E	0.0
C	11.9
B	0.0
Q0751	
E	24.3
C	4.4
B	23.5
Q0752	
E	24.5
C	36.2
B	24.5
Q0753	
E	3.3
C	320.0
B	3.5
Q0754	
E	0.0
C	0.0
B	0.0

<FRONT CONTROL>

PIN NO.	VOLTAGE (V)
IC851	
1	5.1
2	5.4
3	0
Q8801	
E	3.3
C	-1.6
B	3.3
Q8802	
E	3.1
C	1.9
B	0.5
Q8803	
E	0.1
C	0.2
B	0.1

<LINE FILTER>

PIN NO.	VOLTAGE (V)
IC9932	
1	5.0
2	0
3	-
4	0
5	0
6	0
7	5.6

<POWER & DEF>

PIN NO.	VOLTAGE (V)
IC401	
1	0.0
2	-14.5
3	0.0
4	40.0
5	0.0
6	0.0
7	15.2
8	-14.3
9	40.0
10	-
IC901	
1	2.8
2	0.0
3	310.0
4	20.2
5	0.0
IC951	
1	7.8
2	11.0
3	0.0
Q401	
E	0.0
C	12.0
B	0.0
Q402	
E	0.0
C	1.8
B	0.0
Q461	
E	3.8
C	12.4
B	3.2
Q462	
E	3.8
C	0.0
B	3.2
Q463	
S	0
D	34.8
G	3.9
Q464	
E	0.0
C	3.4
B	1.8
Q501	
E	2.8
C	12.3
B	2.4
Q502	
E	0.0
C	18.3
B	0.0
Q521	
E	0
C	-2.3
B	0
Q522	
E	0
C	194
B	0
Q523	
E	2.3
C	12.2
B	2.4
Q551	
S	0
D	238
G	1.5
Q553	
E	2.2
C	12.3
B	3.4
Q554	
E	2.4
C	0.0
B	2.1
Q943	
E	0.0
C	0.0
B	0.0
Q953	
E	0.0
C	15.3
B	0.0
Q954	
E	0.0
C	2.8
B	0.0
PC901	
1	11.3
2	10.3
3	7.1
4	5.4

HV-32D25EUW
HV-32D25EJW

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